

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045257.D
 Acq On : 13 Mar 2025 10:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2025
 Supervised By : Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:26:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	92968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162999	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	77336	52.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.600%			
35) Dibromofluoromethane	5.379	113	58112	53.317	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.640%			
50) Toluene-d8	8.647	98	205212	51.934	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.860%			
62) 4-Bromofluorobenzene	11.079	95	74669	57.027	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	59825	51.122	ug/l	92
3) Chloromethane	1.300	50	69055	48.218	ug/l	96
4) Vinyl Chloride	1.374	62	63439	44.653	ug/l	97
5) Bromomethane	1.593	94	26629	47.680	ug/l	100
6) Chloroethane	1.660	64	30884	47.129	ug/l	98
7) Trichlorofluoromethane	1.867	101	91924	48.876	ug/l	100
8) Diethyl Ether	2.129	74	32057	43.578	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.312	101	60276	55.784	ug/l	99
10) Methyl Iodide	2.440	142	69837	51.719	ug/l	97
11) Tert butyl alcohol	2.983	59	62750	224.022	ug/l	97
12) 1,1-Dichloroethene	2.306	96	55581	48.654	ug/l	98
13) Acrolein	2.233	56	73382	226.631	ug/l	99
14) Allyl chloride	2.654	41	104985	51.628	ug/l	97
15) Acrylonitrile	3.062	53	188400	250.959	ug/l	99
16) Acetone	2.386	43	179812	262.073	ug/l	99
17) Carbon Disulfide	2.495	76	131544	43.233	ug/l	98
18) Methyl Acetate	2.703	43	94977	57.542	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	190193	49.624	ug/l	97
20) Methylene Chloride	2.782	84	65207	47.978	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	55072	48.797	ug/l	97
22) Diisopropyl ether	3.757	45	208305	50.369	ug/l	92
23) Vinyl Acetate	3.715	43	880345	255.083	ug/l	99
24) 1,1-Dichloroethane	3.599	63	114815	49.538	ug/l	99
25) 2-Butanone	4.556	43	269063	260.525	ug/l	96
26) 2,2-Dichloropropane	4.464	77	79181	72.834	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	68887	49.445	ug/l	95
28) Bromochloromethane	4.891	49	57070	51.659	ug/l	99
29) Tetrahydrofuran	5.001	42	167144	240.995	ug/l	99
30) Chloroform	5.086	83	115276	50.056	ug/l	99
31) Cyclohexane	5.458	56	99325	49.368	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	93785	50.422	ug/l	98
36) 1,1-Dichloropropene	5.684	75	75552	50.546	ug/l	99
37) Ethyl Acetate	4.714	43	96666	50.189	ug/l	98
38) Carbon Tetrachloride	5.665	117	79322	52.271	ug/l	95
39) Methylcyclohexane	7.372	83	97987	54.710	ug/l	97
40) Benzene	6.025	78	238534	50.537	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045257.D
 Acq On : 13 Mar 2025 10:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2025
 Supervised By : Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:26:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	55551	53.340	ug/l	99
42) 1,2-Dichloroethane	6.080	62	89305	52.542	ug/l	100
43) Isopropyl Acetate	6.336	43	149943	52.647	ug/l	99
44) Trichloroethene	7.116	130	55195	49.801	ug/l	99
45) 1,2-Dichloropropane	7.427	63	60889	50.174	ug/l	97
46) Dibromomethane	7.574	93	45165	52.654	ug/l	97
47) Bromodichloromethane	7.817	83	88408	52.546	ug/l	97
48) Methyl methacrylate	7.689	41	76158	53.300	ug/l	97
49) 1,4-Dioxane	7.659	88	29076	964.689	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	528259	276.238	ug/l	99
52) Toluene	8.714	92	142581	51.486	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	78690	55.945	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	90280	55.043	ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	57642	50.560	ug/l	98
56) Ethyl methacrylate	9.116	69	94614	54.596	ug/l	96
57) 1,3-Dichloropropane	9.305	76	101233	51.310	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	249068	294.630	ug/l	98
59) 2-Hexanone	9.427	43	389277	280.952	ug/l	99
60) Dibromochloromethane	9.518	129	63802	53.523	ug/l	99
61) 1,2-Dibromoethane	9.610	107	58790	51.655	ug/l	100
64) Tetrachloroethene	9.268	164	46782	52.106	ug/l	98
65) Chlorobenzene	10.079	112	155435	52.401	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	53231	53.887	ug/l	97
67) Ethyl Benzene	10.189	91	275416	53.287	ug/l	100
68) m/p-Xylenes	10.299	106	202522	107.038	ug/l	98
69) o-Xylene	10.640	106	99595	52.192	ug/l	98
70) Styrene	10.652	104	170860	55.336	ug/l	99
71) Bromoform	10.799	173	42683	57.300	ug/l #	98
73) Isopropylbenzene	10.957	105	266634	51.016	ug/l	98
74) N-amyl acetate	10.841	43	131189	53.493	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	94855	49.457	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	77483m	49.716	ug/l	
77) Bromobenzene	11.195	156	61840	50.148	ug/l	100
78) n-propylbenzene	11.305	91	312182	52.876	ug/l	100
79) 2-Chlorotoluene	11.360	91	186805	49.681	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	220041	52.068	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	25479	55.946	ug/l	94
82) 4-Chlorotoluene	11.451	91	216250	52.770	ug/l	99
83) tert-Butylbenzene	11.713	119	222828	51.318	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	225626	53.061	ug/l	99
85) sec-Butylbenzene	11.890	105	280536	53.936	ug/l	100
86) p-Isopropyltoluene	12.006	119	232945	55.418	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	112969	51.352	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	112198	50.412	ug/l	99
89) n-Butylbenzene	12.329	91	212893	58.806	ug/l	99
90) Hexachloroethane	12.536	117	39637	52.134	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	114241	51.768	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19754	52.868	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	68677	54.655	ug/l	100
94) Hexachlorobutadiene	13.725	225	28888	56.075	ug/l	99
95) Naphthalene	13.774	128	255967	53.019	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	71661	54.059	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

