

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041725\
 Data File : VX045820.D
 Acq On : 17 Apr 2025 11:59
 Operator : JC/MD
 Sample : VX0417WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 03:35:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	78581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140768	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70054	48.749	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.500%		
35) Dibromofluoromethane	5.379	113	47711	47.771	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.540%		
50) Toluene-d8	8.647	98	160689	46.095	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.200%		
62) 4-Bromofluorobenzene	11.079	95	60820	47.898	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21046	17.909	ug/l	99
3) Chloromethane	1.300	50	19770	16.375	ug/l	95
4) Vinyl Chloride	1.374	62	18351	16.609	ug/l	97
5) Bromomethane	1.593	94	8350	15.939	ug/l	97
6) Chloroethane	1.672	64	11632	19.843	ug/l	96
7) Trichlorofluoromethane	1.874	101	29768	18.068	ug/l	100
8) Diethyl Ether	2.130	74	9512	17.196	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	18022	18.667	ug/l	98
10) Methyl Iodide	2.447	142	20329	16.882	ug/l	96
11) Tert butyl alcohol	2.971	59	20350	105.371	ug/l	99
12) 1,1-Dichloroethene	2.312	96	16273	17.250	ug/l	97
13) Acrolein	2.233	56	13858	52.108	ug/l	99
14) Allyl chloride	2.660	41	32162	17.968	ug/l	98
15) Acrylonitrile	3.062	53	58320	95.664	ug/l	99
16) Acetone	2.386	43	54811	92.886	ug/l	98
17) Carbon Disulfide	2.501	76	32004	13.736	ug/l	99
18) Methyl Acetate	2.703	43	30654	22.563	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	60784	18.419	ug/l	99
20) Methylene Chloride	2.782	84	19773	17.899	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	16383	16.999	ug/l	96
22) Diisopropyl ether	3.757	45	63386	17.977	ug/l #	80
23) Vinyl Acetate	3.721	43	269893	88.596	ug/l	99
24) 1,1-Dichloroethane	3.605	63	36287	18.198	ug/l	99
25) 2-Butanone	4.556	43	83432	96.590	ug/l	99
26) 2,2-Dichloropropane	4.471	77	26078	20.242	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	20480	17.442	ug/l	96
28) Bromochloromethane	4.891	49	17570	18.234	ug/l	98
29) Tetrahydrofuran	5.007	42	52293	93.378	ug/l	100
30) Chloroform	5.086	83	39397	19.201	ug/l	96
31) Cyclohexane	5.464	56	29218	16.575	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	32000	18.432	ug/l	100
36) 1,1-Dichloropropene	5.690	75	22842	16.939	ug/l	98
37) Ethyl Acetate	4.721	43	30354	17.862	ug/l	98
38) Carbon Tetrachloride	5.672	117	26205	17.981	ug/l	97
39) Methylcyclohexane	7.379	83	27747	16.786	ug/l	99
40) Benzene	6.037	78	72849	17.688	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	16742	18.672	ug/l	99
42) 1,2-Dichloroethane	6.086	62	32063	18.849	ug/l	100
43) Isopropyl Acetate	6.342	43	47368	18.391	ug/l	99
44) Trichloroethene	7.123	130	17141	17.510	ug/l	100
45) 1,2-Dichloropropane	7.427	63	18989	18.479	ug/l	98
46) Dibromomethane	7.580	93	14338	18.176	ug/l	96
47) Bromodichloromethane	7.818	83	28903	18.347	ug/l	99
48) Methyl methacrylate	7.690	41	24261	18.243	ug/l	99
49) 1,4-Dioxane	7.665	88	10501	436.436	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	165569	96.968	ug/l	98
52) Toluene	8.714	92	44978	18.048	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	23336	16.988	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	27002	18.240	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	18496	18.625	ug/l	97
56) Ethyl methacrylate	9.116	69	28496	18.541	ug/l	98
57) 1,3-Dichloropropane	9.305	76	32399	18.735	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	65554	84.317	ug/l	99
59) 2-Hexanone	9.427	43	124956	98.825	ug/l	99
60) Dibromochloromethane	9.518	129	19689	18.186	ug/l	99
61) 1,2-Dibromoethane	9.610	107	18395	18.298	ug/l	98
64) Tetrachloroethene	9.269	164	15788	18.065	ug/l	96
65) Chlorobenzene	10.079	112	47997	18.146	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	16581	18.056	ug/l	98
67) Ethyl Benzene	10.189	91	85366	18.020	ug/l	97
68) m/p-Xylenes	10.299	106	62616	36.341	ug/l	100
69) o-Xylene	10.640	106	30594	18.025	ug/l	99
70) Styrene	10.652	104	51054	18.224	ug/l	99
71) Bromoform	10.799	173	12078	17.615	ug/l #	97
73) Isopropylbenzene	10.957	105	81029	17.696	ug/l	99
74) N-amyl acetate	10.841	43	39263	17.925	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	30758	19.122	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	25750m	18.467	ug/l	
77) Bromobenzene	11.195	156	18919	17.882	ug/l	99
78) n-propylbenzene	11.305	91	93662	17.758	ug/l	99
79) 2-Chlorotoluene	11.360	91	60084	17.820	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	69835	18.444	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	6623	16.120	ug/l	90
82) 4-Chlorotoluene	11.451	91	69150	18.394	ug/l	100
83) tert-Butylbenzene	11.713	119	69269	18.478	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	70621	18.583	ug/l	99
85) sec-Butylbenzene	11.890	105	83593	18.156	ug/l	100
86) p-Isopropyltoluene	12.006	119	69844	18.400	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	34774	18.056	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	34652	17.748	ug/l	97
89) n-Butylbenzene	12.329	91	57490	17.465	ug/l	100
90) Hexachloroethane	12.536	117	11085	16.992	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	35605	18.596	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6435	19.129	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	18499	17.357	ug/l	98
94) Hexachlorobutadiene	13.725	225	8491	18.488	ug/l	97
95) Naphthalene	13.774	128	71594	18.051	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	19934	17.862	ug/l	99

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

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