

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
 Data File : VX040055.D
 Acq On : 31 Jan 2024 18:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/01/2024
 Supervised By : Mahesh Dadoda 02/01/2024

Quant Time: Feb 01 04:26:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 07:12:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	102170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	176946	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	81727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73209	44.523	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.040%		
35) Dibromofluoromethane	5.385	113	56145	46.611	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.220%		
50) Toluene-d8	8.647	98	207803	46.131	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.260%		
62) 4-Bromofluorobenzene	11.079	95	80265	46.275	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.560%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	62648	54.440	ug/l	100
3) Chloromethane	1.295	50	59227	54.269	ug/l	95
4) Vinyl Chloride	1.374	62	61731	61.160	ug/l	99
5) Bromomethane	1.593	94	32535	33.159	ug/l	99
6) Chloroethane	1.685	64	27136	40.724	ug/l	98
7) Trichlorofluoromethane	1.886	101	61786	38.474	ug/l	95
8) Diethyl Ether	2.136	74	23843	41.995	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	53643	44.769	ug/l	96
10) Methyl Iodide	2.453	142	69407	54.415	ug/l	94
11) Tert butyl alcohol	2.959	59	63762	213.711	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	51833	45.105	ug/l	89
13) Acrolein	2.233	56	58353	204.137	ug/l	96
14) Allyl chloride	2.660	41	93948	45.355	ug/l	98
15) Acrylonitrile	3.063	53	172768	231.166	ug/l	99
16) Acetone	2.380	43	146668	190.371	ug/l #	89
17) Carbon Disulfide	2.508	76	147250	43.826	ug/l	99
18) Methyl Acetate	2.703	43	93302	51.120	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	186462	47.368	ug/l	100
20) Methylene Chloride	2.788	84	62263	45.476	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	58398	46.144	ug/l	92
22) Diisopropyl ether	3.758	45	189334	47.188	ug/l	97
23) Vinyl Acetate	3.721	43	852427	237.388	ug/l	99
24) 1,1-Dichloroethane	3.611	63	108444	47.191	ug/l	99
25) 2-Butanone	4.550	43	250610	234.001	ug/l	97
26) 2,2-Dichloropropane	4.477	77	81516	45.462	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	69207	49.010	ug/l	94
28) Bromochloromethane	4.898	49	50008	46.668	ug/l	95
29) Tetrahydrofuran	5.001	42	168757	247.822	ug/l	98
30) Chloroform	5.093	83	117934	47.794	ug/l	98
31) Cyclohexane	5.471	56	99075	48.102	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	100695	47.550	ug/l	99
36) 1,1-Dichloropropene	5.690	75	86335	49.559	ug/l	97
37) Ethyl Acetate	4.709	43	98157	51.593	ug/l	99
38) Carbon Tetrachloride	5.678	117	82253	49.347	ug/l	95
39) Methylcyclohexane	7.379	83	101434	47.857	ug/l	99
40) Benzene	6.038	78	251940	49.655	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	53915	55.880	ug/l	95
42) 1,2-Dichloroethane	6.086	62	97602	49.971	ug/l	100
43) Isopropyl Acetate	6.336	43	161688	53.892	ug/l	98
44) Trichloroethene	7.123	130	64008	47.938	ug/l	100
45) 1,2-Dichloropropane	7.428	63	67031	50.036	ug/l	99
46) Dibromomethane	7.580	93	48710	48.442	ug/l	98
47) Bromodichloromethane	7.818	83	89170	49.791	ug/l	100
48) Methyl methacrylate	7.690	41	79816	54.005	ug/l	93
49) 1,4-Dioxane	7.659	88	28774	895.937	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	536556	261.985	ug/l	98
52) Toluene	8.720	92	156809	49.584	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	92609	49.859	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	103167	52.053	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	61492	46.976	ug/l	96
56) Ethyl methacrylate	9.116	69	98110	51.325	ug/l	96
57) 1,3-Dichloropropane	9.305	76	102691	47.626	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	251539	261.681	ug/l	96
59) 2-Hexanone	9.427	43	379381	232.330	ug/l	99
60) Dibromochloromethane	9.519	129	61558	46.801	ug/l	99
61) 1,2-Dibromoethane	9.610	107	66513	46.999	ug/l	99
64) Tetrachloroethene	9.275	164	48484	47.713	ug/l	98
65) Chlorobenzene	10.080	112	159545	49.425	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54947	50.404	ug/l	98
67) Ethyl Benzene	10.195	91	289950	50.063	ug/l	99
68) m/p-Xylenes	10.299	106	222989	102.341	ug/l	100
69) o-Xylene	10.640	106	110232	53.335	ug/l	98
70) Styrene	10.653	104	187379	53.792	ug/l	98
71) Bromoform	10.799	173	44468	50.225	ug/l #	99
73) Isopropylbenzene	10.964	105	297822	50.748	ug/l	99
74) N-amyl acetate	10.842	43	140062	50.108	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	105871	47.983	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	85852m	49.329	ug/l	
77) Bromobenzene	11.195	156	68761	50.793	ug/l	96
78) n-propylbenzene	11.305	91	365218	50.572	ug/l	99
79) 2-Chlorotoluene	11.366	91	208169	47.881	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	257318	51.007	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	27303	49.551	ug/l	95
82) 4-Chlorotoluene	11.451	91	250803	50.261	ug/l	99
83) tert-Butylbenzene	11.713	119	243694	50.481	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	256263	50.907	ug/l	99
85) sec-Butylbenzene	11.890	105	320993	50.189	ug/l	99
86) p-Isopropyltoluene	12.006	119	262354	50.234	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	132885	48.658	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	135062	48.313	ug/l	99
89) n-Butylbenzene	12.329	91	248844	49.090	ug/l	98
90) Hexachloroethane	12.536	117	41982	49.262	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	127119	48.276	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23105	46.196	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	82078	49.864	ug/l	98
94) Hexachlorobutadiene	13.725	225	31674	48.851	ug/l	98
95) Naphthalene	13.774	128	289956	51.865	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	82280	50.557	ug/l	99

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

