

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050724\
 Data File : VX041411.D
 Acq On : 07 May 2024 16:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2024
 Supervised By : Mahesh Dadoda 05/08/2024

Quant Time: May 08 02:03:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	205008	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	290552	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	126999	56.904	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.800%			
35) Dibromofluoromethane	5.385	113	104017	52.828	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.660%			
50) Toluene-d8	8.647	98	300229	48.175	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.360%			
62) 4-Bromofluorobenzene	11.079	95	110452	45.784	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.560%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	71148	42.236	ug/l	99
3) Chloromethane	1.300	50	68738	39.434	ug/l	97
4) Vinyl Chloride	1.374	62	85671	51.556	ug/l	100
5) Bromomethane	1.599	94	46429	44.570	ug/l	99
6) Chloroethane	1.666	64	40564	52.575	ug/l	97
7) Trichlorofluoromethane	1.867	101	140364	48.986	ug/l	97
8) Diethyl Ether	2.136	74	49917	49.425	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.319	101	85933	53.359	ug/l	87
10) Methyl Iodide	2.440	142	94611	54.584	ug/l	91
11) Tert butyl alcohol	3.007	59	112318	251.440	ug/l	# 92
12) 1,1-Dichloroethene	2.306	96	81211	51.120	ug/l	87
13) Acrolein	2.239	56	90003	253.976	ug/l	99
14) Allyl chloride	2.660	41	138285	51.811	ug/l	97
15) Acrylonitrile	3.074	53	265723	260.639	ug/l	98
16) Acetone	2.392	43	250517	254.978	ug/l	97
17) Carbon Disulfide	2.501	76	164365	44.013	ug/l	98
18) Methyl Acetate	2.709	43	120977	52.982	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	292234	50.461	ug/l	98
20) Methylene Chloride	2.788	84	92762	47.877	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	84123	47.383	ug/l	89
22) Diisopropyl ether	3.763	45	285493	50.471	ug/l	94
23) Vinyl Acetate	3.721	43	1329540	262.756	ug/l	97
24) 1,1-Dichloroethane	3.605	63	159095	49.784	ug/l	97
25) 2-Butanone	4.568	43	392370	271.635	ug/l	96
26) 2,2-Dichloropropane	4.471	77	131169	49.092	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	104105	49.525	ug/l	91
28) Bromochloromethane	4.897	49	52217	45.784	ug/l	# 76
29) Tetrahydrofuran	5.013	42	245695	260.082	ug/l	95
30) Chloroform	5.092	83	169682	51.037	ug/l	97
31) Cyclohexane	5.458	56	127220	47.231	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	150920	49.894	ug/l	98
36) 1,1-Dichloropropene	5.690	75	109438	46.482	ug/l	96
37) Ethyl Acetate	4.721	43	145620	49.569	ug/l	98
38) Carbon Tetrachloride	5.678	117	128487	47.637	ug/l	97
39) Methylcyclohexane	7.379	83	118528	42.852	ug/l	92
40) Benzene	6.037	78	347331	47.854	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	80960	53.546	ug/l	95
42) 1,2-Dichloroethane	6.086	62	133632	50.238	ug/l	96
43) Isopropyl Acetate	6.348	43	224150	50.747	ug/l	98
44) Trichloroethene	7.123	130	94221	49.161	ug/l	87
45) 1,2-Dichloropropane	7.427	63	74695	46.061	ug/l	98
46) Dibromomethane	7.580	93	56855	44.041	ug/l #	78
47) Bromodichloromethane	7.824	83	105210	45.734	ug/l	97
48) Methyl methacrylate	7.696	41	93884	46.367	ug/l	93
49) 1,4-Dioxane	7.671	88	38765	885.513	ug/l #	84
51) 4-Methyl-2-Pentanone	8.580	43	644270	243.081	ug/l	99
52) Toluene	8.720	92	188599	42.478	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	105778	46.408	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	113575	44.908	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	78881	46.133	ug/l	97
56) Ethyl methacrylate	9.116	69	127182	48.061	ug/l	97
57) 1,3-Dichloropropane	9.305	76	127943	44.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	289676	225.761	ug/l	92
59) 2-Hexanone	9.433	43	507698	239.551	ug/l	98
60) Dibromochloromethane	9.518	129	92708	46.056	ug/l	98
61) 1,2-Dibromoethane	9.610	107	82818	44.026	ug/l	97
64) Tetrachloroethene	9.275	164	78031	49.469	ug/l	90
65) Chlorobenzene	10.079	112	220224	49.802	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	80121	51.278	ug/l	97
67) Ethyl Benzene	10.195	91	366103	50.181	ug/l	97
68) m/p-Xylenes	10.299	106	289981	99.254	ug/l	95
69) o-Xylene	10.640	106	145009	51.837	ug/l	94
70) Styrene	10.652	104	247307	53.876	ug/l	96
71) Bromoform	10.799	173	75276	53.833	ug/l #	99
73) Isopropylbenzene	10.963	105	378155	51.170	ug/l	96
74) N-amyl acetate	10.841	43	176522	54.673	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	129556	53.500	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	105619m	53.532	ug/l	
77) Bromobenzene	11.195	156	109474	52.486	ug/l	78
78) n-propylbenzene	11.305	91	420686	54.199	ug/l	97
79) 2-Chlorotoluene	11.366	91	254499	50.881	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	317927	52.773	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	38470	53.110	ug/l	96
82) 4-Chlorotoluene	11.451	91	294557	51.873	ug/l	93
83) tert-Butylbenzene	11.713	119	343002	53.168	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	323706	53.401	ug/l	95
85) sec-Butylbenzene	11.890	105	399677	54.060	ug/l	95
86) p-Isopropyltoluene	12.006	119	354993	53.464	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	196260	51.767	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	199457	51.064	ug/l	95
89) n-Butylbenzene	12.329	91	281089	52.646	ug/l	97
90) Hexachloroethane	12.536	117	58659	52.826	ug/l	63
91) 1,2-Dichlorobenzene	12.335	146	204299	51.018	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	30518	54.538	ug/l	61
93) 1,2,4-Trichlorobenzene	13.585	180	143307	51.198	ug/l	95
94) Hexachlorobutadiene	13.725	225	68727	49.168	ug/l	99
95) Naphthalene	13.774	128	439269	52.957	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	149332	52.201	ug/l	95

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

