

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022624\
 Data File : VX040472.D
 Acq On : 26 Feb 2024 19:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/27/2024
 Supervised By : Semsettin Yesilyurt 02/27/2024

Quant Time: Feb 27 05:13:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	85796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	145620	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67304	46.902	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.800%		
35) Dibromofluoromethane	5.385	113	47811	47.215	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.420%		
50) Toluene-d8	8.647	98	173796	47.282	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.560%		
62) 4-Bromofluorobenzene	11.079	95	67701	48.318	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	50396	47.200	ug/l	98
3) Chloromethane	1.301	50	49731	46.958	ug/l	98
4) Vinyl Chloride	1.374	62	53642	46.840	ug/l	99
5) Bromomethane	1.599	94	32431	50.958	ug/l	96
6) Chloroethane	1.679	64	32440	44.760	ug/l	97
7) Trichlorofluoromethane	1.886	101	87395	48.318	ug/l	97
8) Diethyl Ether	2.136	74	30639	48.462	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	45052	46.273	ug/l	98
10) Methyl Iodide	2.447	142	46054	45.923	ug/l	97
11) Tert butyl alcohol	2.965	59	64487	267.327	ug/l #	90
12) 1,1-Dichloroethene	2.313	96	44041	45.055	ug/l	98
13) Acrolein	2.233	56	59298	383.415	ug/l	99
14) Allyl chloride	2.660	41	81278	47.528	ug/l	93
15) Acrylonitrile	3.062	53	151842	250.937	ug/l	99
16) Acetone	2.380	43	141304	301.948	ug/l	99
17) Carbon Disulfide	2.508	76	118094	43.627	ug/l	100
18) Methyl Acetate	2.703	43	76649	53.127	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	162491	48.735	ug/l	99
20) Methylene Chloride	2.788	84	50842	45.399	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	47808	45.860	ug/l	96
22) Diisopropyl ether	3.764	45	163273	47.510	ug/l	92
23) Vinyl Acetate	3.721	43	770345	244.709	ug/l	99
24) 1,1-Dichloroethane	3.611	63	94801	47.305	ug/l	98
25) 2-Butanone	4.556	43	222796	273.252	ug/l	97
26) 2,2-Dichloropropane	4.477	77	68181	42.731	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	55078	45.162	ug/l	98
28) Bromochloromethane	4.898	49	35449	42.287	ug/l	99
29) Tetrahydrofuran	5.001	42	146389	257.363	ug/l	99
30) Chloroform	5.099	83	101332	47.637	ug/l	98
31) Cyclohexane	5.471	56	77598	47.730	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	87321	48.096	ug/l	98
36) 1,1-Dichloropropene	5.690	75	71344	45.729	ug/l	99
37) Ethyl Acetate	4.715	43	84549	49.518	ug/l	99
38) Carbon Tetrachloride	5.678	117	73096	48.498	ug/l	96
39) Methylcyclohexane	7.379	83	80142	47.578	ug/l	100
40) Benzene	6.038	78	201829	47.782	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	46643	48.905	ug/l	95
42) 1,2-Dichloroethane	6.086	62	87084	49.812	ug/l	98
43) Isopropyl Acetate	6.342	43	133994	50.013	ug/l	98
44) Trichloroethene	7.123	130	52828	46.504	ug/l	95
45) 1,2-Dichloropropane	7.434	63	54913	48.576	ug/l	99
46) Dibromomethane	7.580	93	40788	49.076	ug/l	98
47) Bromodichloromethane	7.824	83	79793	48.761	ug/l	99
48) Methyl methacrylate	7.690	41	69367	51.801	ug/l	93
49) 1,4-Dioxane	7.659	88	26617	1050.741	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	463910	261.894	ug/l	99
52) Toluene	8.720	92	126991	48.987	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	79890	48.106	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	85539	47.919	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	53897	50.099	ug/l	95
56) Ethyl methacrylate	9.116	69	83637	50.282	ug/l #	92
57) 1,3-Dichloropropane	9.305	76	91239	48.693	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	224442	257.349	ug/l	96
59) 2-Hexanone	9.427	43	363919	267.214	ug/l	98
60) Dibromochloromethane	9.519	129	57525	49.230	ug/l	98
61) 1,2-Dibromoethane	9.610	107	58756	50.051	ug/l	100
64) Tetrachloroethene	9.275	164	46547	48.639	ug/l	98
65) Chlorobenzene	10.079	112	138012	47.600	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	51432	50.335	ug/l	98
67) Ethyl Benzene	10.195	91	261315	49.236	ug/l	97
68) m/p-Xylenes	10.299	106	188807	95.265	ug/l	94
69) o-Xylene	10.640	106	92773	48.942	ug/l	95
70) Styrene	10.653	104	158175	50.056	ug/l	99
71) Bromoform	10.799	173	42228	50.487	ug/l #	99
73) Isopropylbenzene	10.963	105	250218	49.406	ug/l	100
74) N-amyl acetate	10.842	43	121529	51.667	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	89550	48.892	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	75738m	50.042	ug/l	
77) Bromobenzene	11.195	156	57950	48.392	ug/l	98
78) n-propylbenzene	11.305	91	309191	49.219	ug/l	98
79) 2-Chlorotoluene	11.366	91	180359	47.693	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	215347	49.997	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	22999	46.179	ug/l	99
82) 4-Chlorotoluene	11.451	91	210859	48.217	ug/l	99
83) tert-Butylbenzene	11.713	119	201665	49.662	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	214678	50.235	ug/l	99
85) sec-Butylbenzene	11.890	105	268135	50.263	ug/l	100
86) p-Isopropyltoluene	12.006	119	220347	50.110	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	113674	47.622	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	113612	46.756	ug/l	100
89) n-Butylbenzene	12.335	91	211015	48.776	ug/l	96
90) Hexachloroethane	12.536	117	37476	51.207	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	110694	48.664	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22797	53.389	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	71220	47.976	ug/l	98
94) Hexachlorobutadiene	13.725	225	27988	46.131	ug/l	97
95) Naphthalene	13.774	128	241756	50.961	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	69963	49.579	ug/l	98

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

