

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032197.D
 Acq On : 19 Oct 2022 10:59
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2022
 Supervised By : Mahesh Dadoda 10/20/2022

Quant Time: Oct 19 11:57:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 11:57:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	122934	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	193995	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	168930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80556	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	1191	1.008	ug/l	90
3) Chloromethane	1.295	50	1543	1.250	ug/l	90
4) Vinyl Chloride	1.374	62	1295	1.054	ug/l	93
6) Chloroethane	1.685	64	1134m	1.398	ug/l	
7) Trichlorofluoromethane	1.892	101	2190	1.063	ug/l	87
8) Diethyl Ether	2.136	74	709	0.995	ug/l #	40
9) 1,1,2-Trichlorotrifluo...	2.331	101	1254	1.036	ug/l	95
12) 1,1-Dichloroethene	2.325	96	1120	0.988	ug/l	92
14) Allyl chloride	2.666	41	1632	0.792	ug/l #	87
15) Acrylonitrile	3.069	53	3062	4.271	ug/l	97
16) Acetone	2.386	43	2929	3.919	ug/l	100
17) Carbon Disulfide	2.514	76	2605	0.917	ug/l	98
18) Methyl Acetate	2.703	43	1855	0.792	ug/l #	82
19) Methyl tert-butyl Ether	3.111	73	3850	0.924	ug/l	94
20) Methylene Chloride	2.788	84	1643	1.145	ug/l #	81
21) trans-1,2-Dichloroethene	3.099	96	1113	0.897	ug/l #	84
22) Diisopropyl ether	3.758	45	3722	0.920	ug/l #	81
23) Vinyl Acetate	3.727	43	13782	4.195	ug/l	99
24) 1,1-Dichloroethane	3.611	63	2240	0.944	ug/l #	92
25) 2-Butanone	4.568	43	4144	3.764	ug/l	98
26) 2,2-Dichloropropane	4.471	77	1319	0.634	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	1265	0.883	ug/l	89
28) Bromochloromethane	4.898	49	944	0.976	ug/l #	96
29) Tetrahydrofuran	5.019	42	2563	3.719	ug/l	95
30) Chloroform	5.087	83	2353	0.932	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	1788	0.791	ug/l #	47
36) 1,1-Dichloropropene	5.684	75	1867	1.047	ug/l	98
37) Ethyl Acetate	4.727	43	1896	0.912	ug/l #	72
38) Carbon Tetrachloride	5.678	117	1785	0.889	ug/l #	92
39) Methylcyclohexane	7.385	83	2054	0.965	ug/l #	87
40) Benzene	6.044	78	5223	1.021	ug/l	96
41) Methacrylonitrile	4.934	41	822	0.742	ug/l #	83
42) 1,2-Dichloroethane	6.099	62	1895	0.888	ug/l	81
43) Isopropyl Acetate	6.349	43	2490	0.753	ug/l #	83
44) Trichloroethene	7.123	130	1443	1.004	ug/l	95
45) 1,2-Dichloropropane	7.434	63	1278	0.947	ug/l #	66

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.580	93	930	0.941	ug/l	97
47) Bromodichloromethane	7.818	83	1577	0.858	ug/l	99
48) Methyl methacrylate	7.696	41	1204	0.729	ug/l #	84
49) 1,4-Dioxane	7.690	88	492	14.235	ug/l	92
51) 4-Methyl-2-Pentanone	8.574	43	7707	3.656	ug/l	89
52) Toluene	8.720	92	3319	0.990	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	1425	0.684	ug/l	90
54) cis-1,3-Dichloropropene	8.373	75	1735	0.804	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	1284	0.899	ug/l	91
56) Ethyl methacrylate	9.122	69	1777	0.830	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	2103	0.904	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	4207	4.071	ug/l	94
59) 2-Hexanone	9.433	43	6122	3.727	ug/l	81
60) Dibromochloromethane	9.525	129	1102	0.765	ug/l	83
61) 1,2-Dibromoethane	9.610	107	1368	0.899	ug/l	93
64) Tetrachloroethene	9.275	164	1119	0.855	ug/l	91
65) Chlorobenzene	10.080	112	3620	1.042	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	10.165	131	1116	0.866	ug/l #	61
67) Ethyl Benzene	10.195	91	6172	1.015	ug/l	96
68) m/p-Xylenes	10.305	106	4838	2.079	ug/l	97
69) o-Xylene	10.640	106	2137	0.920	ug/l	96
70) Styrene	10.653	104	3671	0.974	ug/l	95
71) Bromoform	10.799	173	799	0.824	ug/l #	92
73) Isopropylbenzene	10.964	105	5920	0.987	ug/l	97
74) N-amyl acetate	10.842	43	1959	0.776	ug/l	89
75) 1,1,2,2-Tetrachloroethane	11.214	83	2023	1.042	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	1691m	0.913	ug/l	
77) Bromobenzene	11.201	156	1442	0.956	ug/l	94
78) n-propylbenzene	11.305	91	6365	0.939	ug/l	97
79) 2-Chlorotoluene	11.366	91	4256	1.011	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	4952	0.979	ug/l	99
82) 4-Chlorotoluene	11.457	91	4541	0.948	ug/l	98
83) tert-Butylbenzene	11.713	119	5108	1.047	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	4492	0.903	ug/l	99
85) sec-Butylbenzene	11.890	105	5860	0.958	ug/l	96
86) p-Isopropyltoluene	12.012	119	4751	0.926	ug/l	91
87) 1,3-Dichlorobenzene	11.969	146	3004	1.112	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	3095m	1.123	ug/l	
89) n-Butylbenzene	12.329	91	4202	0.946	ug/l	95
90) Hexachloroethane	12.536	117	758	0.917	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	2689	1.015	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	296	0.665	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	1842	1.180	ug/l	94
94) Hexachlorobutadiene	13.725	225	885	1.135	ug/l	93
95) Naphthalene	13.774	128	5272	1.050	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1839	1.169	ug/l	96

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

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