

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110922\
 Data File : VX032675.D
 Acq On : 09 Nov 2022 13:35
 Operator : JC/MD
 Sample : VX1109WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2022
 Supervised By : Mahesh Dadoda 11/10/2022

Quant Time: Nov 10 03:03:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	100982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	158712	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	142788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67348	47.999	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.000%		
35) Dibromofluoromethane	5.385	113	54470	48.114	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.220%		
50) Toluene-d8	8.647	98	181396	46.079	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.160%		
62) 4-Bromofluorobenzene	11.079	95	72045	46.852	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22664	19.459	ug/l	97
3) Chloromethane	1.294	50	18267	18.546	ug/l	96
4) Vinyl Chloride	1.374	62	20583	18.988	ug/l	98
5) Bromomethane	1.611	94	19079	22.024	ug/l	96
6) Chloroethane	1.691	64	15496	21.309	ug/l	97
7) Trichlorofluoromethane	1.892	101	40166	19.555	ug/l	95
8) Diethyl Ether	2.136	74	13188	19.813	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	21568	19.895	ug/l	99
10) Methyl Iodide	2.453	142	21843	19.337	ug/l	99
11) Tert butyl alcohol	2.983	59	17275	84.589	ug/l	100
12) 1,1-Dichloroethene	2.319	96	19077	18.837	ug/l	92
13) Acrolein	2.239	56	16322	80.058	ug/l	98
14) Allyl chloride	2.666	41	31210	19.333	ug/l	98
15) Acrylonitrile	3.062	53	52633	94.963	ug/l	99
16) Acetone	2.386	43	47334	92.817	ug/l	98
17) Carbon Disulfide	2.514	76	36322	15.058	ug/l	99
18) Methyl Acetate	2.703	43	34719	20.936	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	71877	20.194	ug/l	99
20) Methylene Chloride	2.788	84	23945	20.479	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	20876	18.938	ug/l	95
22) Diisopropyl ether	3.763	45	71747	20.547	ug/l	99
23) Vinyl Acetate	3.721	43	268739	95.260	ug/l	100
24) 1,1-Dichloroethane	3.611	63	40833	20.330	ug/l	98
25) 2-Butanone	4.562	43	70925	89.769	ug/l	96
26) 2,2-Dichloropropane	4.477	77	32084	20.095	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	25814	20.259	ug/l	98
28) Bromochloromethane	4.897	49	13650	19.080	ug/l	98
29) Tetrahydrofuran	5.007	42	45497	90.306	ug/l	99
30) Chloroform	5.099	83	45646	20.712	ug/l	100
31) Cyclohexane	5.477	56	33194	19.511	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	39684	20.066	ug/l	99
36) 1,1-Dichloropropene	5.690	75	31334	19.875	ug/l	98
37) Ethyl Acetate	4.715	43	28782	17.539	ug/l	98
38) Carbon Tetrachloride	5.678	117	33591	19.211	ug/l	93
39) Methylcyclohexane	7.379	83	34760	18.635	ug/l	98
40) Benzene	6.037	78	89572	20.078	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	15968	19.101	ug/l	98
42) 1,2-Dichloroethane	6.086	62	37927	20.797	ug/l	99
43) Isopropyl Acetate	6.336	43	49094	19.485	ug/l	98
44) Trichloroethene	7.129	130	25249	20.105	ug/l	94
45) 1,2-Dichloropropane	7.434	63	23327	20.369	ug/l	99
46) Dibromomethane	7.586	93	17143	19.519	ug/l	97
47) Bromodichloromethane	7.824	83	32493	19.520	ug/l	98
48) Methyl methacrylate	7.696	41	24818	19.072	ug/l	100
49) 1,4-Dioxane	7.690	88	8593	346.503	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	152532	96.111	ug/l	99
52) Toluene	8.720	92	58430	20.074	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	32497	19.134	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	35375	19.474	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	24622	20.086	ug/l	97
56) Ethyl methacrylate	9.116	69	34842	19.752	ug/l	99
57) 1,3-Dichloropropane	9.311	76	39966	20.190	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	86953	102.371	ug/l	99
59) 2-Hexanone	9.433	43	110434	93.779	ug/l	100
60) Dibromochloromethane	9.525	129	24158	18.043	ug/l	99
61) 1,2-Dibromoethane	9.610	107	25855	19.906	ug/l	98
64) Tetrachloroethene	9.275	164	21374	20.451	ug/l	95
65) Chlorobenzene	10.079	112	64702	20.229	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	23986	19.925	ug/l	98
67) Ethyl Benzene	10.195	91	115944	20.271	ug/l	99
68) m/p-Xylenes	10.299	106	89217	40.170	ug/l	100
69) o-Xylene	10.640	106	43328	20.065	ug/l	99
70) Styrene	10.659	104	72757	20.273	ug/l	99
71) Bromoform	10.799	173	16541	17.379	ug/l #	99
73) Isopropylbenzene	10.963	105	118513	20.131	ug/l	100
74) N-amyl acetate	10.841	43	42945	19.306	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	37338	19.759	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	32707m	19.788	ug/l	
77) Bromobenzene	11.201	156	28376	19.661	ug/l	99
78) n-propylbenzene	11.305	91	134397	19.815	ug/l	100
79) 2-Chlorotoluene	11.366	91	82474	20.304	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	99965	19.868	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8364	16.102	ug/l	87
82) 4-Chlorotoluene	11.457	91	94692	19.922	ug/l	99
83) tert-Butylbenzene	11.713	119	100023	19.912	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	101079	20.198	ug/l	100
85) sec-Butylbenzene	11.890	105	120316	19.906	ug/l	99
86) p-Isopropyltoluene	12.012	119	102291	19.944	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	54914	20.170	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	55834	19.768	ug/l	99
89) n-Butylbenzene	12.335	91	86657	19.421	ug/l	99
90) Hexachloroethane	12.542	117	15122	18.051	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	55473	20.664	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7216	17.416	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	33373	19.066	ug/l	100
94) Hexachlorobutadiene	13.725	225	14328	19.600	ug/l	97
95) Naphthalene	13.774	128	111136	19.055	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	34822	19.571	ug/l	98

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

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