

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012822\
 Data File : VX026644.D
 Acq On : 28 Jan 2022 12:26
 Operator : JC/MD
 Sample : VX0128WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/31/2022
 Supervised By : Mahesh Dadoda 01/31/2022

Quant Time: Jan 29 02:17:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	101415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	164873	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63027	44.489	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.980%		
35) Dibromofluoromethane	5.385	113	51479	48.351	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.700%		
50) Toluene-d8	8.653	98	182785	47.641	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.280%		
62) 4-Bromofluorobenzene	11.079	95	65424	48.002	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	19367	16.172	ug/l	99
3) Chloromethane	1.294	50	18373	16.736	ug/l	100
4) Vinyl Chloride	1.374	62	19749	17.134	ug/l	96
5) Bromomethane	1.617	94	9611	18.076	ug/l	99
6) Chloroethane	1.691	64	12123	20.800	ug/l	97
7) Trichlorofluoromethane	1.892	101	32164	17.675	ug/l	98
8) Diethyl Ether	2.136	74	11908	18.492	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	21838	19.692	ug/l	99
10) Methyl Iodide	2.459	142	20108	19.791	ug/l	98
11) Tert butyl alcohol	2.983	59	16837	85.434	ug/l	97
12) 1,1-Dichloroethene	2.325	96	20047	18.927	ug/l	94
13) Acrolein	2.239	56	18387	87.802	ug/l	99
14) Allyl chloride	2.666	41	36752	18.869	ug/l	96
15) Acrylonitrile	3.068	53	61378	101.173	ug/l	98
16) Acetone	2.386	43	64881	89.806	ug/l	97
17) Carbon Disulfide	2.514	76	49293	15.941	ug/l	99
18) Methyl Acetate	2.709	43	28500	19.843	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	73423	19.105	ug/l	99
20) Methylene Chloride	2.794	84	22963	19.238	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	22165	19.331	ug/l	95
22) Diisopropyl ether	3.763	45	78692	19.890	ug/l	96
23) Vinyl Acetate	3.727	43	319323	98.049	ug/l	99
24) 1,1-Dichloroethane	3.611	63	41755	19.541	ug/l	99
25) 2-Butanone	4.562	43	87611	93.249	ug/l	99
26) 2,2-Dichloropropane	4.483	77	29290	18.493	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	25695	19.635	ug/l	99
28) Bromochloromethane	4.903	49	17734	20.212	ug/l	100
29) Tetrahydrofuran	5.013	42	54706	98.038	ug/l	99
30) Chloroform	5.099	83	43737	19.700	ug/l	96
31) Cyclohexane	5.476	56	37870	18.123	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	37444	19.174	ug/l	99
36) 1,1-Dichloropropene	5.696	75	31311	18.629	ug/l	99
37) Ethyl Acetate	4.714	43	33265	19.565	ug/l	99
38) Carbon Tetrachloride	5.684	117	33028	19.104	ug/l	100
39) Methylcyclohexane	7.385	83	39011	19.242	ug/l	96
40) Benzene	6.043	78	92798	19.975	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18994	19.721	ug/l	97
42) 1,2-Dichloroethane	6.092	62	34297	18.869	ug/l	99
43) Isopropyl Acetate	6.342	43	53597	19.515	ug/l	99
44) Trichloroethene	7.129	130	26549	20.140	ug/l	94
45) 1,2-Dichloropropane	7.433	63	23715	20.451	ug/l	100
46) Dibromomethane	7.580	93	15997	19.569	ug/l	98
47) Bromodichloromethane	7.824	83	32533	19.697	ug/l	100
48) Methyl methacrylate	7.696	41	26653	19.582	ug/l	99
49) 1,4-Dioxane	7.683	88	7945	355.696	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	167636	102.906	ug/l	99
52) Toluene	8.720	92	58133	20.406	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	30732	18.630	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	35498	20.010	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	23327	20.982	ug/l	99
56) Ethyl methacrylate	9.116	69	35825	21.027	ug/l	96
57) 1,3-Dichloropropane	9.311	76	40507	21.016	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	97096	108.683	ug/l	99
59) 2-Hexanone	9.433	43	125437	100.606	ug/l	99
60) Dibromochloromethane	9.525	129	23691	20.449	ug/l	98
61) 1,2-Dibromoethane	9.610	107	23574	20.350	ug/l	99
64) Tetrachloroethene	9.275	164	27277	20.446	ug/l	96
65) Chlorobenzene	10.079	112	60054	20.193	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	22424	20.292	ug/l	99
67) Ethyl Benzene	10.195	91	107634	19.916	ug/l	99
68) m/p-Xylenes	10.305	106	81365	40.229	ug/l	100
69) o-Xylene	10.640	106	40746	20.878	ug/l	96
70) Styrene	10.659	104	66923	21.015	ug/l	98
71) Bromoform	10.799	173	15215	19.428	ug/l #	98
73) Isopropylbenzene	10.963	105	106952	20.059	ug/l	100
74) N-amyl acetate	10.841	43	40060	19.462	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	29701	20.754	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	29003m	20.251	ug/l	
77) Bromobenzene	11.201	156	24573	20.117	ug/l	96
78) n-propylbenzene	11.305	91	121549	19.991	ug/l	100
79) 2-Chlorotoluene	11.366	91	72532	19.672	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	88141	20.052	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7770	20.385	ug/l	99
82) 4-Chlorotoluene	11.457	91	83400	19.681	ug/l	98
83) tert-Butylbenzene	11.713	119	84254	20.532	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	86728	19.726	ug/l	97
85) sec-Butylbenzene	11.890	105	109072	20.549	ug/l	100
86) p-Isopropyltoluene	12.012	119	90866	20.405	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	45429	19.842	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	45751	19.742	ug/l	99
89) n-Butylbenzene	12.335	91	76828	20.105	ug/l	100
90) Hexachloroethane	12.542	117	13191	19.155	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	44334	20.490	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6266	18.116	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	27307	19.685	ug/l	97
94) Hexachlorobutadiene	13.725	225	11763	20.088	ug/l	97
95) Naphthalene	13.780	128	93928	20.300	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	27882	20.438	ug/l	99

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

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