

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041222\
 Data File : VX028058.D
 Acq On : 12 Apr 2022 16:00
 Operator : JC/MD
 Sample : VX0412WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/13/2022
 Supervised By : Mahesh Dadoda 04/13/2022

Quant Time: Apr 13 05:26:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 22:07:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	190461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	313990	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	127960	49.521	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.040%		
35) Dibromofluoromethane	5.385	113	103403	50.257	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.520%		
50) Toluene-d8	8.653	98	390692	50.914	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.820%		
62) 4-Bromofluorobenzene	11.079	95	137794	48.094	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	34789	18.812	ug/l	98
3) Chloromethane	1.295	50	41317	20.188	ug/l	100
4) Vinyl Chloride	1.374	62	46632	18.952	ug/l	99
5) Bromomethane	1.612	94	77060	29.530	ug/l	93
6) Chloroethane	1.685	64	35431	19.200	ug/l	100
7) Trichlorofluoromethane	1.886	101	87521	18.137	ug/l	96
8) Diethyl Ether	2.136	74	33032	17.862	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	35173	18.322	ug/l	97
10) Methyl Iodide	2.453	142	38986	17.439	ug/l	96
11) Tert butyl alcohol	2.977	59	52925	88.239	ug/l	99
12) 1,1-Dichloroethene	2.319	96	33462	17.799	ug/l	93
13) Acrolein	2.233	56	31403	95.056	ug/l	99
14) Allyl chloride	2.666	41	58441	17.565	ug/l	88
15) Acrylonitrile	3.062	53	114194	91.879	ug/l	98
16) Acetone	2.380	43	97154	90.244	ug/l	91
17) Carbon Disulfide	2.514	76	91909	18.604	ug/l	98
18) Methyl Acetate	2.703	43	52095	18.134	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	131748	18.660	ug/l	97
20) Methylene Chloride	2.788	84	39787	18.555	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	38789	17.224	ug/l	98
22) Diisopropyl ether	3.764	45	130586	18.290	ug/l #	85
23) Vinyl Acetate	3.721	43	603273	95.091	ug/l #	93
24) 1,1-Dichloroethane	3.611	63	72025	18.635	ug/l	98
25) 2-Butanone	4.556	43	167399	89.956	ug/l	93
26) 2,2-Dichloropropane	4.477	77	65752	18.324	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	46855	18.458	ug/l	98
28) Bromochloromethane	4.904	49	33887	20.397	ug/l	89
29) Tetrahydrofuran	5.007	42	110691	91.007	ug/l	89
30) Chloroform	5.099	83	78883	18.354	ug/l	95
31) Cyclohexane	5.471	56	64794	18.237	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	69490	17.851	ug/l	99
36) 1,1-Dichloropropene	5.696	75	56578	18.018	ug/l	99
37) Ethyl Acetate	4.709	43	65755	17.975	ug/l	96
38) Carbon Tetrachloride	5.672	117	59803	17.839	ug/l	96
39) Methylcyclohexane	7.379	83	68879	18.556	ug/l	90
40) Benzene	6.044	78	166244	18.206	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	34617	17.787	ug/l	92
42) 1,2-Dichloroethane	6.092	62	64170	18.611	ug/l	98
43) Isopropyl Acetate	6.342	43	109790	18.015	ug/l	93
44) Trichloroethene	7.129	130	45090	18.570	ug/l	98
45) 1,2-Dichloropropane	7.434	63	41792	18.161	ug/l	97
46) Dibromomethane	7.586	93	31937	18.813	ug/l	93
47) Bromodichloromethane	7.824	83	60063	18.307	ug/l	99
48) Methyl methacrylate	7.696	41	48539	17.447	ug/l #	83
49) 1,4-Dioxane	7.671	88	23385	376.521	ug/l	92
51) 4-Methyl-2-Pentanone	8.574	43	348174	89.605	ug/l	90
52) Toluene	8.720	92	108998	17.892	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	67944	18.334	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	70226	18.270	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	44624	18.070	ug/l	98
56) Ethyl methacrylate	9.116	69	69758	17.970	ug/l #	76
57) 1,3-Dichloropropane	9.311	76	73993	18.074	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	147925	84.428	ug/l	99
59) 2-Hexanone	9.433	43	267028	87.747	ug/l	87
60) Dibromochloromethane	9.525	129	46378	17.568	ug/l	95
61) 1,2-Dibromoethane	9.610	107	48212	17.925	ug/l	99
64) Tetrachloroethene	9.275	164	43547	18.628	ug/l	97
65) Chlorobenzene	10.080	112	116995	18.198	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	44531	18.747	ug/l	98
67) Ethyl Benzene	10.195	91	210202	18.567	ug/l	100
68) m/p-Xylenes	10.305	106	164466	34.790	ug/l	99
69) o-Xylene	10.640	106	79388	17.276	ug/l	96
70) Styrene	10.659	104	131815	17.878	ug/l	97
71) Bromoform	10.799	173	33137	17.601	ug/l #	100
73) Isopropylbenzene	10.964	105	207277	19.211	ug/l	100
74) N-amyl acetate	10.842	43	92202	19.773	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	71706	19.024	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	65817m	19.466	ug/l	
77) Bromobenzene	11.201	156	51373	19.491	ug/l	96
78) n-propylbenzene	11.305	91	245047	19.542	ug/l	99
79) 2-Chlorotoluene	11.366	91	141628	18.625	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	175616	18.843	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	22871	19.051	ug/l	90
82) 4-Chlorotoluene	11.457	91	167821	18.747	ug/l	99
83) tert-Butylbenzene	11.713	119	174014	19.297	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	179359	19.656	ug/l	100
85) sec-Butylbenzene	11.890	105	219651	19.085	ug/l	100
86) p-Isopropyltoluene	12.012	119	183073	18.772	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	96524	18.795	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	101215	18.787	ug/l	98
89) n-Butylbenzene	12.335	91	162531	19.471	ug/l	97
90) Hexachloroethane	12.542	117	30452	18.585	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	95706	18.650	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	16105	19.421	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	57745	20.123	ug/l	97
94) Hexachlorobutadiene	13.725	225	23206	20.041	ug/l	95
95) Naphthalene	13.774	128	207240	20.678	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	60003	21.129	ug/l	95

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

