

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027635.D
 Acq On : 23 Mar 2022 00:35
 Operator : JC/MD
 Sample : VX0322WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/24/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 23 03:59:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	319185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	491189	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	443488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	212065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	173317	44.078	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.160%		
35) Dibromofluoromethane	5.391	113	150563	47.643	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.280%		
50) Toluene-d8	8.653	98	589470	49.292	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.580%		
62) 4-Bromofluorobenzene	11.079	95	208678	47.476	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	53279	17.390	ug/l	99
3) Chloromethane	1.294	50	45995	16.912	ug/l	99
4) Vinyl Chloride	1.374	62	56383	17.942	ug/l	97
5) Bromomethane	1.599	94	36292	19.204	ug/l	96
6) Chloroethane	1.678	64	40121	20.806	ug/l	97
7) Trichlorofluoromethane	1.886	101	85589	16.499	ug/l	96
8) Diethyl Ether	2.136	74	32781	16.965	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	54454	17.628	ug/l	93
10) Methyl Iodide	2.453	142	59575	14.569	ug/l	100
11) Tert butyl alcohol	2.965	59	63205	84.344	ug/l	98
12) 1,1-Dichloroethene	2.319	96	52215	17.617	ug/l	91
13) Acrolein	2.233	56	40516	69.673	ug/l	96
14) Allyl chloride	2.660	41	75810	16.346	ug/l	96
15) Acrylonitrile	3.062	53	160889	94.437	ug/l	98
16) Acetone	2.380	43	132273	82.530	ug/l	99
17) Carbon Disulfide	2.508	76	116365	15.430	ug/l	99
18) Methyl Acetate	2.703	43	70250	18.289	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	172605	17.261	ug/l	99
20) Methylene Chloride	2.788	84	59968	17.403	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	56909	18.000	ug/l	95
22) Diisopropyl ether	3.763	45	162559	17.948	ug/l #	88
23) Vinyl Acetate	3.727	43	672482	85.377	ug/l	99
24) 1,1-Dichloroethane	3.611	63	97780	17.750	ug/l	99
25) 2-Butanone	4.556	43	214395	88.911	ug/l	96
26) 2,2-Dichloropropane	4.477	77	54559	12.129	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	67608	18.440	ug/l	90
28) Bromochloromethane	4.897	49	37042	16.669	ug/l	87
29) Tetrahydrofuran	5.013	42	143078	92.494	ug/l	95
30) Chloroform	5.099	83	106911	17.594	ug/l	96
31) Cyclohexane	5.470	56	80104	16.406	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	83108	15.022	ug/l	97
36) 1,1-Dichloropropene	5.690	75	76973	17.823	ug/l	97
37) Ethyl Acetate	4.721	43	72937	16.949	ug/l	97
38) Carbon Tetrachloride	5.678	117	81859	16.568	ug/l	100
39) Methylcyclohexane	7.385	83	90967	16.750	ug/l	97
40) Benzene	6.044	78	231328	18.671	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	42448	18.087	ug/l	98
42) 1,2-Dichloroethane	6.086	62	79996	17.228	ug/l	100
43) Isopropyl Acetate	6.348	43	120970	17.467	ug/l	98
44) Trichloroethene	7.129	130	66631	17.716	ug/l	100
45) 1,2-Dichloropropane	7.434	63	57636	18.263	ug/l	99
46) Dibromomethane	7.586	93	43113	17.884	ug/l	98
47) Bromodichloromethane	7.824	83	79000	17.404	ug/l	99
48) Methyl methacrylate	7.696	41	61793	18.029	ug/l	91
49) 1,4-Dioxane	7.665	88	31725	360.375	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	421929	95.436	ug/l	95
52) Toluene	8.720	92	152537	18.372	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	73056	15.681	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	84996	16.763	ug/l #	92
55) 1,1,2-Trichloroethane	9.153	97	63546	18.798	ug/l	96
56) Ethyl methacrylate	9.116	69	88739	17.545	ug/l	91
57) 1,3-Dichloropropane	9.311	76	101215	18.442	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	237000	91.784	ug/l	97
59) 2-Hexanone	9.433	43	323865	95.113	ug/l	92
60) Dibromochloromethane	9.525	129	63827	17.152	ug/l	96
61) 1,2-Dibromoethane	9.610	107	66644	17.937	ug/l	98
64) Tetrachloroethene	9.275	164	65662	19.042	ug/l	95
65) Chlorobenzene	10.079	112	166889	18.293	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	60454	17.761	ug/l	98
67) Ethyl Benzene	10.195	91	282269	18.076	ug/l	98
68) m/p-Xylenes	10.305	106	220894	35.927	ug/l	99
69) o-Xylene	10.646	106	108753	18.217	ug/l	100
70) Styrene	10.659	104	177797	18.232	ug/l	99
71) Bromoform	10.799	173	44416	16.334	ug/l #	100
73) Isopropylbenzene	10.963	105	283036	18.324	ug/l	100
74) N-amyl acetate	10.848	43	95193	17.380	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	92236	18.851	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82999m	18.712	ug/l	
77) Bromobenzene	11.201	156	72085	18.515	ug/l	94
78) n-propylbenzene	11.305	91	311032	18.343	ug/l	98
79) 2-Chlorotoluene	11.366	91	194525	18.288	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	239353	18.411	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	19259	13.186	ug/l #	80
82) 4-Chlorotoluene	11.457	91	220116	18.176	ug/l	99
83) tert-Butylbenzene	11.719	119	233020	18.094	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	242274	18.687	ug/l	99
85) sec-Butylbenzene	11.890	105	282201	18.133	ug/l	99
86) p-Isopropyltoluene	12.012	119	240636	18.001	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	129804	17.994	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	132025	18.088	ug/l	99
89) n-Butylbenzene	12.335	91	188395	16.888	ug/l	97
90) Hexachloroethane	12.542	117	33673	15.796	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	130555	18.535	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19975	17.800	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	76441	16.932	ug/l	98
94) Hexachlorobutadiene	13.725	225	33393	16.745	ug/l	95
95) Naphthalene	13.780	128	272378	18.533	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	79788	17.471	ug/l	97

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

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