

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040122\
 Data File : VX027877.D
 Acq On : 01 Apr 2022 13:40
 Operator : JC/MD
 Sample : VX0401WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0401WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/02/2022
 Supervised By : Mahesh Dadoda 04/02/2022

Quant Time: Apr 02 05:05:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	72710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	113067	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	101651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	49340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	43387	46.247	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.500%		
35) Dibromofluoromethane	5.391	113	38117	52.228	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.460%		
50) Toluene-d8	8.646	98	127605	49.694	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.380%		
62) 4-Bromofluorobenzene	11.085	95	55345	50.718	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	13146	19.953	ug/l	98
3) Chloromethane	1.294	50	10505	18.043	ug/l	98
4) Vinyl Chloride	1.373	62	11406	19.102	ug/l	96
5) Bromomethane	1.611	94	6605	24.532	ug/l	95
6) Chloroethane	1.690	64	7270	18.062	ug/l	96
7) Trichlorofluoromethane	1.892	101	20842	19.898	ug/l	98
8) Diethyl Ether	2.135	74	7780	20.693	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	13994	20.554	ug/l	93
10) Methyl Iodide	2.452	142	14180	17.935	ug/l	90
11) Tert butyl alcohol	2.977	59	18810	104.379	ug/l	98
12) 1,1-Dichloroethene	2.324	96	10945	17.521	ug/l	91
13) Acrolein	2.239	56	10996	81.470	ug/l	96
14) Allyl chloride	2.666	41	23383	20.388	ug/l #	87
15) Acrylonitrile	3.068	53	45493	107.512	ug/l	97
16) Acetone	2.385	43	54115	130.336	ug/l	89
17) Carbon Disulfide	2.513	76	18829	14.735	ug/l	100
18) Methyl Acetate	2.709	43	21359	20.868	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	50276	21.124	ug/l	100
20) Methylene Chloride	2.794	84	14028	18.784	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	12376	18.253	ug/l	91
22) Diisopropyl ether	3.763	45	49500	21.536	ug/l #	83
23) Vinyl Acetate	3.727	43	219519	110.545	ug/l #	91
24) 1,1-Dichloroethane	3.617	63	26420	20.432	ug/l	97
25) 2-Butanone	4.562	43	66970	110.851	ug/l	95
26) 2,2-Dichloropropane	4.483	77	20878	20.216	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	16157	19.762	ug/l	97
28) Bromochloromethane	4.897	49	10932	19.655	ug/l	92
29) Tetrahydrofuran	5.007	42	42046	108.345	ug/l	87
30) Chloroform	5.098	83	29692	20.656	ug/l	98
31) Cyclohexane	5.470	56	19141	18.457	ug/l	86
32) 1,1,1-Trichloroethane	5.385	97	25685	20.657	ug/l	97
36) 1,1-Dichloropropene	5.696	75	17578	19.123	ug/l	99
37) Ethyl Acetate	4.720	43	24383	21.397	ug/l	97
38) Carbon Tetrachloride	5.677	117	21023	20.701	ug/l	95
39) Methylcyclohexane	7.385	83	20439	18.896	ug/l	89
40) Benzene	6.043	78	54392	19.526	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	13680	22.570	ug/l	90
42) 1,2-Dichloroethane	6.092	62	21204	19.050	ug/l	97
43) Isopropyl Acetate	6.342	43	37150	20.354	ug/l	92
44) Trichloroethene	7.128	130	14684	19.397	ug/l	93
45) 1,2-Dichloropropane	7.433	63	15550	20.779	ug/l	94
46) Dibromomethane	7.586	93	11381	20.207	ug/l	89
47) Bromodichloromethane	7.823	83	23110	20.602	ug/l	99
48) Methyl methacrylate	7.695	41	19747	20.630	ug/l #	81
49) 1,4-Dioxane	7.683	88	7574	400.834	ug/l #	89
51) 4-Methyl-2-Pentanone	8.573	43	135907	107.338	ug/l	88
52) Toluene	8.720	92	35545	20.258	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	22155	19.707	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	24385	20.599	ug/l #	86
55) 1,1,2-Trichloroethane	9.152	97	15963	20.511	ug/l	93
56) Ethyl methacrylate	9.116	69	25350	20.567	ug/l #	75
57) 1,3-Dichloropropane	9.311	76	26158	19.973	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	60476	98.276	ug/l	94
59) 2-Hexanone	9.433	43	107304	110.064	ug/l	83
60) Dibromochloromethane	9.524	129	16444	20.378	ug/l	96
61) 1,2-Dibromoethane	9.610	107	16412	20.182	ug/l	97
64) Tetrachloroethene	9.274	164	13954	20.246	ug/l	93
65) Chlorobenzene	10.079	112	39015	19.490	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	14968	19.926	ug/l	98
67) Ethyl Benzene	10.195	91	72581	19.981	ug/l	96
68) m/p-Xylenes	10.305	106	52479	39.280	ug/l	87
69) o-Xylene	10.646	106	26027	19.945	ug/l	86
70) Styrene	10.658	104	43942	19.812	ug/l	93
71) Bromoform	10.805	173	11114	19.947	ug/l #	98
73) Isopropylbenzene	10.963	105	71176	19.375	ug/l	98
74) N-amyl acetate	10.847	43	32955	19.915	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	25569	20.497	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	23514m	20.316	ug/l	
77) Bromobenzene	11.201	156	16111	19.236	ug/l	84
78) n-propylbenzene	11.305	91	84556	19.266	ug/l	98
79) 2-Chlorotoluene	11.366	91	53075	19.243	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	61507	19.295	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	6724	19.741	ug/l #	77
82) 4-Chlorotoluene	11.457	91	61603	19.463	ug/l	97
83) tert-Butylbenzene	11.719	119	61024	19.797	ug/l	87
84) 1,2,4-Trimethylbenzene	11.756	105	63144	19.866	ug/l	95
85) sec-Butylbenzene	11.890	105	76671	20.155	ug/l	99
86) p-Isopropyltoluene	12.012	119	63773	20.155	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	31642	19.192	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	32903	19.373	ug/l	95
89) n-Butylbenzene	12.335	91	56587	19.889	ug/l	95
90) Hexachloroethane	12.542	117	9748	19.184	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	32186	19.764	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.944	75	6544	21.791	ug/l	76
93) 1,2,4-Trichlorobenzene	13.591	180	20043	20.125	ug/l	98
94) Hexachlorobutadiene	13.725	225	9235	21.458	ug/l	95
95) Naphthalene	13.780	128	72192	20.761	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	20505	21.017	ug/l	97

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

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