

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052422\
 Data File : VX028918.D
 Acq On : 24 May 2022 13:58
 Operator : JC/MD
 Sample : VX0524WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2022
 Supervised By : Mahesh Dadoda 05/25/2022

Quant Time: May 24 14:31:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	275795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	452159	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	404774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	200926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	189912	50.235	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.460%			
35) Dibromofluoromethane	5.391	113	153939	51.963	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.920%			
50) Toluene-d8	8.653	98	543295	48.643	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.280%			
62) 4-Bromofluorobenzene	11.079	95	209650	50.255	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	64093	17.748	ug/l	99
3) Chloromethane	1.288	50	55112	16.205	ug/l	99
4) Vinyl Chloride	1.373	62	60140	16.409	ug/l	96
5) Bromomethane	1.605	94	56609	18.338	ug/l	99
6) Chloroethane	1.684	64	40530	16.061	ug/l	98
7) Trichlorofluoromethane	1.886	101	98707	16.892	ug/l	97
8) Diethyl Ether	2.136	74	36413	17.102	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	56731	18.450	ug/l	98
10) Methyl Iodide	2.453	142	54309	14.752	ug/l	94
11) Tert butyl alcohol	2.965	59	91872	110.043	ug/l	95
12) 1,1-Dichloroethene	2.318	96	51456	18.027	ug/l	98
13) Acrolein	2.233	56	39013	62.871	ug/l	99
14) Allyl chloride	2.666	41	81559	17.815	ug/l	93
15) Acrylonitrile	3.062	53	170243	93.465	ug/l	99
16) Acetone	2.379	43	147178	90.710	ug/l	94
17) Carbon Disulfide	2.514	76	105615	14.274	ug/l	100
18) Methyl Acetate	2.702	43	78856	19.405	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	198255	19.573	ug/l	99
20) Methylene Chloride	2.788	84	61562	18.085	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	56886	17.693	ug/l	97
22) Diisopropyl ether	3.763	45	182688	18.674	ug/l	91
23) Vinyl Acetate	3.721	43	772869	91.639	ug/l	96
24) 1,1-Dichloroethane	3.611	63	106532	18.731	ug/l	99
25) 2-Butanone	4.562	43	235881	92.618	ug/l	98
26) 2,2-Dichloropropane	4.483	77	83383	18.698	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	69145	18.414	ug/l	99
28) Bromochloromethane	4.903	49	43600	18.212	ug/l	97
29) Tetrahydrofuran	5.007	42	150107	90.674	ug/l	94
30) Chloroform	5.098	83	118228	19.207	ug/l	100
31) Cyclohexane	5.476	56	88322	16.831	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	103650	19.289	ug/l	99
36) 1,1-Dichloropropene	5.696	75	81224	18.254	ug/l	100
37) Ethyl Acetate	4.714	43	87981	18.931	ug/l	98
38) Carbon Tetrachloride	5.684	117	86811	19.386	ug/l	98
39) Methylcyclohexane	7.378	83	96140	18.841	ug/l	98
40) Benzene	6.043	78	242239	18.943	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	48599	19.503	ug/l	94
42) 1,2-Dichloroethane	6.092	62	93665	19.857	ug/l	99
43) Isopropyl Acetate	6.348	43	134984	18.565	ug/l	97
44) Trichloroethene	7.129	130	67198	19.375	ug/l	97
45) 1,2-Dichloropropane	7.433	63	61725	19.346	ug/l	98
46) Dibromomethane	7.586	93	44532	18.690	ug/l	96
47) Bromodichloromethane	7.824	83	84793	19.168	ug/l	94
48) Methyl methacrylate	7.696	41	67710	19.278	ug/l	90
49) 1,4-Dioxane	7.671	88	34129	388.958	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	460748	96.205	ug/l	95
52) Toluene	8.720	92	157526	19.149	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	83623	17.524	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	94607	19.007	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	67059	19.991	ug/l	98
56) Ethyl methacrylate	9.116	69	100103	19.706	ug/l #	90
57) 1,3-Dichloropropane	9.311	76	112383	19.864	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	249833	100.457	ug/l	98
59) 2-Hexanone	9.433	43	349491	93.927	ug/l	93
60) Dibromochloromethane	9.524	129	62577	19.128	ug/l	96
61) 1,2-Dibromoethane	9.610	107	68336	19.396	ug/l	97
64) Tetrachloroethene	9.274	164	60634	19.836	ug/l	93
65) Chlorobenzene	10.079	112	170942	19.907	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	62950	20.695	ug/l	98
67) Ethyl Benzene	10.195	91	302519	19.655	ug/l	99
68) m/p-Xylenes	10.305	106	233508	38.968	ug/l	97
69) o-Xylene	10.646	106	116321	19.716	ug/l	98
70) Styrene	10.658	104	190231	19.855	ug/l	97
71) Bromoform	10.799	173	43007	18.279	ug/l #	99
73) Isopropylbenzene	10.963	105	303111	19.893	ug/l	99
74) N-amyl acetate	10.847	43	109518	18.285	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	101816	19.478	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	94215m	20.022	ug/l	
77) Bromobenzene	11.201	156	73128	20.284	ug/l	96
78) n-propylbenzene	11.305	91	343652	19.498	ug/l	99
79) 2-Chlorotoluene	11.366	91	213809	19.792	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	259496	20.439	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	23188	17.433	ug/l #	76
82) 4-Chlorotoluene	11.457	91	242716	19.435	ug/l	100
83) tert-Butylbenzene	11.719	119	254236	20.682	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	257976	20.262	ug/l	99
85) sec-Butylbenzene	11.890	105	316444	20.869	ug/l	99
86) p-Isopropyltoluene	12.012	119	265076	20.833	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	136967	19.369	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	136882	18.662	ug/l	96
89) n-Butylbenzene	12.335	91	217470	19.726	ug/l	99
90) Hexachloroethane	12.542	117	38627	18.773	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	140136	20.173	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22973	20.582	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	86153	21.472	ug/l	99
94) Hexachlorobutadiene	13.725	225	36018	22.097	ug/l	94
95) Naphthalene	13.780	128	308217	21.587	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	87850	21.800	ug/l	95

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

