

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032228.D
 Acq On : 19 Oct 2022 23:56
 Operator : JC/MD
 Sample : VX1019WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2022
 Supervised By : Mahesh Dadoda 10/20/2022

Quant Time: Oct 20 04:35:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	140722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224862	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98269	53.680	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.360%			
35) Dibromofluoromethane	5.385	113	78342	50.067	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.140%			
50) Toluene-d8	8.647	98	281467	49.971	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.940%			
62) 4-Bromofluorobenzene	11.079	95	108104	52.412	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26429	20.529	ug/l	95
3) Chloromethane	1.294	50	24810	18.718	ug/l	97
4) Vinyl Chloride	1.374	62	27296	19.686	ug/l	99
5) Bromomethane	1.617	94	24818	17.095	ug/l	96
6) Chloroethane	1.691	64	22576	18.217	ug/l	98
7) Trichlorofluoromethane	1.892	101	53037	21.517	ug/l	99
8) Diethyl Ether	2.136	74	18336	21.890	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	26467	19.805	ug/l	98
10) Methyl Iodide	2.453	142	35580	18.424	ug/l	96
11) Tert butyl alcohol	2.989	59	29340	99.941	ug/l	97
12) 1,1-Dichloroethene	2.318	96	25134	20.010	ug/l	93
13) Acrolein	2.239	56	26556	119.165	ug/l	99
14) Allyl chloride	2.666	41	39608	20.078	ug/l	96
15) Acrylonitrile	3.062	53	68226	99.371	ug/l	99
16) Acetone	2.386	43	62607	105.384	ug/l	98
17) Carbon Disulfide	2.514	76	54672	18.592	ug/l	97
18) Methyl Acetate	2.703	43	40961	20.309	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	90274	20.857	ug/l	100
20) Methylene Chloride	2.788	84	29099	19.076	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	26926	19.682	ug/l	99
22) Diisopropyl ether	3.763	45	86612	20.049	ug/l	94
23) Vinyl Acetate	3.721	43	351056	101.674	ug/l	100
24) 1,1-Dichloroethane	3.611	63	51019	20.440	ug/l	98
25) 2-Butanone	4.562	43	95674	103.149	ug/l	99
26) 2,2-Dichloropropane	4.483	77	35922	19.975	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	32568	20.332	ug/l	98
28) Bromochloromethane	4.897	49	20106	19.525	ug/l	99
29) Tetrahydrofuran	5.007	42	59050	98.571	ug/l	98
30) Chloroform	5.098	83	56350	20.742	ug/l	97
31) Cyclohexane	5.470	56	43809	20.933	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	49843	21.514	ug/l	98
36) 1,1-Dichloropropene	5.696	75	38850	19.301	ug/l	99
37) Ethyl Acetate	4.714	43	38986	19.782	ug/l	99
38) Carbon Tetrachloride	5.684	117	42908	20.193	ug/l	95
39) Methylcyclohexane	7.379	83	46892	19.502	ug/l	98
40) Benzene	6.037	78	112232	19.238	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21224	20.423	ug/l	98
42) 1,2-Dichloroethane	6.086	62	47137	21.095	ug/l	99
43) Isopropyl Acetate	6.342	43	60741	19.637	ug/l	99
44) Trichloroethene	7.129	130	30646	19.077	ug/l	99
45) 1,2-Dichloropropane	7.433	63	29295	19.906	ug/l	99
46) Dibromomethane	7.580	93	22055	20.093	ug/l	98
47) Bromodichloromethane	7.824	83	40694	20.070	ug/l	91
48) Methyl methacrylate	7.696	41	32621	21.147	ug/l	95
49) 1,4-Dioxane	7.702	88	13209	426.664	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	196526	101.357	ug/l	100
52) Toluene	8.720	92	74586	19.737	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	40352	18.837	ug/l	93
54) cis-1,3-Dichloropropene	8.366	75	44267	19.593	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	30208	19.677	ug/l	99
56) Ethyl methacrylate	9.116	69	44326	20.048	ug/l	98
57) 1,3-Dichloropropane	9.311	76	48860	19.649	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	99983	98.658	ug/l	99
59) 2-Hexanone	9.433	43	148092	102.361	ug/l	99
60) Dibromochloromethane	9.525	129	30057	19.103	ug/l	98
61) 1,2-Dibromoethane	9.610	107	32772	20.137	ug/l	98
64) Tetrachloroethene	9.275	164	25298	19.205	ug/l	98
65) Chlorobenzene	10.079	112	80183	19.605	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	29505	20.161	ug/l	98
67) Ethyl Benzene	10.195	91	147555	20.377	ug/l	100
68) m/p-Xylenes	10.305	106	111765	39.083	ug/l	97
69) o-Xylene	10.640	106	54780	19.996	ug/l	97
70) Styrene	10.658	104	90315	19.550	ug/l	98
71) Bromoform	10.799	173	20854	18.218	ug/l #	99
73) Isopropylbenzene	10.963	105	147867	20.161	ug/l	99
74) N-amyl acetate	10.841	43	56324	20.787	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	46743	19.824	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	41146m	20.203	ug/l	
77) Bromobenzene	11.201	156	36005	20.028	ug/l	97
78) n-propylbenzene	11.305	91	169189	20.146	ug/l	100
79) 2-Chlorotoluene	11.366	91	102463	20.244	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	127162	20.073	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10709	18.382	ug/l	96
82) 4-Chlorotoluene	11.457	91	119059	20.204	ug/l	99
83) tert-Butylbenzene	11.713	119	126507	19.959	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	126659	20.564	ug/l	98
85) sec-Butylbenzene	11.890	105	154643	20.188	ug/l	99
86) p-Isopropyltoluene	12.012	119	130227	19.980	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	66594	19.246	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	68698	19.328	ug/l	98
89) n-Butylbenzene	12.335	91	110493	19.247	ug/l	100
90) Hexachloroethane	12.536	117	19192	18.976	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	67011	19.727	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9720	19.992	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	42849	19.377	ug/l	98
94) Hexachlorobutadiene	13.725	225	18016	18.771	ug/l	100
95) Naphthalene	13.774	128	145071	20.483	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	42902	19.289	ug/l	99

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

