

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103122\
 Data File : VX032478.D
 Acq On : 31 Oct 2022 11:24
 Operator : JC/MD
 Sample : VX1031WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/01/2022
 Supervised By : Mahesh Dadoda 11/01/2022

Quant Time: Nov 01 05:05:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	130349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	201977	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89768	49.564	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.120%			
35) Dibromofluoromethane	5.385	113	72551	50.357	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.720%			
50) Toluene-d8	8.647	98	253110	50.524	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.040%			
62) 4-Bromofluorobenzene	11.079	95	99458	50.824	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	30813	20.496	ug/l	96
3) Chloromethane	1.294	50	24574	19.328	ug/l	99
4) Vinyl Chloride	1.374	62	28050	20.046	ug/l	100
5) Bromomethane	1.611	94	23329	20.863	ug/l	95
6) Chloroethane	1.685	64	20636	21.983	ug/l	99
7) Trichlorofluoromethane	1.886	101	53119	20.035	ug/l	98
8) Diethyl Ether	2.136	74	16437	19.131	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	28534	20.391	ug/l	98
10) Methyl Iodide	2.453	142	31374	21.301	ug/l	98
11) Tert butyl alcohol	2.977	59	22351	84.787	ug/l	100
12) 1,1-Dichloroethene	2.319	96	26155	20.008	ug/l	95
13) Acrolein	2.233	56	29660	112.704	ug/l	97
14) Allyl chloride	2.666	41	40470	19.421	ug/l	99
15) Acrylonitrile	3.062	53	62742	87.699	ug/l	99
16) Acetone	2.386	43	63666	96.716	ug/l	98
17) Carbon Disulfide	2.514	76	61423	19.727	ug/l	99
18) Methyl Acetate	2.703	43	39305	18.361	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	87222	18.984	ug/l	98
20) Methylene Chloride	2.788	84	29276	19.397	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	27495	19.323	ug/l	97
22) Diisopropyl ether	3.757	45	84573	18.764	ug/l	93
23) Vinyl Acetate	3.721	43	338812	93.041	ug/l	99
24) 1,1-Dichloroethane	3.611	63	49920	19.255	ug/l	98
25) 2-Butanone	4.556	43	89264	87.526	ug/l	99
26) 2,2-Dichloropropane	4.471	77	42566	20.654	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	31780	19.322	ug/l	99
28) Bromochloromethane	4.897	49	18102	19.602	ug/l	100
29) Tetrahydrofuran	5.007	42	55366	85.136	ug/l	99
30) Chloroform	5.093	83	55010	19.337	ug/l	99
31) Cyclohexane	5.471	56	43082	19.618	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	51127	20.027	ug/l	99
36) 1,1-Dichloropropene	5.696	75	39561	19.719	ug/l	99
37) Ethyl Acetate	4.708	43	36299	17.382	ug/l	98
38) Carbon Tetrachloride	5.678	117	45209	20.317	ug/l	96
39) Methylcyclohexane	7.379	83	47992	20.218	ug/l	94
40) Benzene	6.031	78	111236	19.593	ug/l	99

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41) Methacrylonitrile	4.916	41	19193	18.041	ug/l	99
42) 1,2-Dichloroethane	6.086	62	45971	19.808	ug/l	100
43) Isopropyl Acetate	6.336	43	60002	18.713	ug/l	99
44) Trichloroethene	7.123	130	31564	19.749	ug/l	98
45) 1,2-Dichloropropane	7.428	63	28559	19.596	ug/l	99
46) Dibromomethane	7.580	93	21999	19.682	ug/l	99
47) Bromodichloromethane	7.824	83	42972	20.286	ug/l	95
48) Methyl methacrylate	7.690	41	30699	18.538	ug/l	99
49) 1,4-Dioxane	7.684	88	10812	342.591	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	183032	90.625	ug/l	100
52) Toluene	8.720	92	71702	19.357	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	43730	20.233	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	46779	20.235	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	29794	19.099	ug/l	98
56) Ethyl methacrylate	9.116	69	42495	18.930	ug/l	98
57) 1,3-Dichloropropane	9.311	76	47825	18.985	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	108293	100.184	ug/l	99
59) 2-Hexanone	9.433	43	136854	91.320	ug/l	99
60) Dibromochloromethane	9.519	129	33827	19.853	ug/l	98
61) 1,2-Dibromoethane	9.610	107	30942	18.720	ug/l	99
64) Tetrachloroethene	9.275	164	27402	20.602	ug/l	94
65) Chlorobenzene	10.079	112	80243	19.713	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	31081	20.288	ug/l	99
67) Ethyl Benzene	10.195	91	143666	19.737	ug/l	100
68) m/p-Xylenes	10.299	106	111528	39.457	ug/l	99
69) o-Xylene	10.640	106	53591	19.500	ug/l	98
70) Styrene	10.653	104	89984	19.702	ug/l	99
71) Bromoform	10.799	173	24252	20.022	ug/l #	100
73) Isopropylbenzene	10.963	105	146161	19.500	ug/l	99
74) N-amyl acetate	10.842	43	53490	18.887	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	44586	18.532	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	39824m	18.924	ug/l	
77) Bromobenzene	11.201	156	36196	19.698	ug/l	100
78) n-propylbenzene	11.305	91	170200	19.709	ug/l	99
79) 2-Chlorotoluene	11.366	91	101422	19.611	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	127362	19.882	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	12141	18.358	ug/l	95
82) 4-Chlorotoluene	11.457	91	119213	19.699	ug/l	100
83) tert-Butylbenzene	11.713	119	125425	19.611	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	127000	19.933	ug/l	99
85) sec-Butylbenzene	11.890	105	155608	20.220	ug/l	100
86) p-Isopropyltoluene	12.012	119	131475	20.134	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	67591	19.499	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	69173	19.236	ug/l	100
89) n-Butylbenzene	12.335	91	113256	19.936	ug/l	100
90) Hexachloroethane	12.542	117	22157	20.773	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	66826	19.552	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10238	19.408	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	42766	19.190	ug/l	99
94) Hexachlorobutadiene	13.725	225	18665	20.054	ug/l	99
95) Naphthalene	13.774	128	136889	18.434	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	41535	18.335	ug/l	98

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

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