

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071822\
 Data File : VX030101.D
 Acq On : 18 Jul 2022 11:16
 Operator : JC/MD
 Sample : VX0718WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/19/2022
 Supervised By : Mahesh Dadoda 07/19/2022

Quant Time: Jul 19 05:39:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	206024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	364170	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	127384	50.797	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.600%			
35) Dibromofluoromethane	5.391	113	110554	47.520	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	8.653	98	414694	47.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.800%			
62) 4-Bromofluorobenzene	11.085	95	146614	48.286	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	48145	19.981	ug/l	98
3) Chloromethane	1.294	50	44031	20.509	ug/l	99
4) Vinyl Chloride	1.374	62	47054	19.733	ug/l	98
5) Bromomethane	1.611	94	22911	22.618	ug/l	96
6) Chloroethane	1.684	64	26738	19.912	ug/l	95
7) Trichlorofluoromethane	1.886	101	63388	20.583	ug/l	100
8) Diethyl Ether	2.142	74	25723	20.190	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	44288	21.066	ug/l	98
10) Methyl Iodide	2.453	142	38521	20.172	ug/l	95
11) Tert butyl alcohol	2.989	59	61023	94.287	ug/l	97
12) 1,1-Dichloroethene	2.318	96	43440	20.695	ug/l	95
13) Acrolein	2.245	56	11290	87.587	ug/l	99
14) Allyl chloride	2.666	41	79009	21.539	ug/l	98
15) Acrylonitrile	3.068	53	159444	108.399	ug/l	99
16) Acetone	2.392	43	124074	105.002	ug/l	99
17) Carbon Disulfide	2.514	76	111607	18.765	ug/l	99
18) Methyl Acetate	2.709	43	75989	21.139	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	144777	21.820	ug/l	97
20) Methylene Chloride	2.794	84	51902	20.616	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	47078	21.517	ug/l	95
22) Diisopropyl ether	3.769	45	158641	22.094	ug/l	92
23) Vinyl Acetate	3.727	43	691008	113.682	ug/l	99
24) 1,1-Dichloroethane	3.617	63	85697	21.538	ug/l	99
25) 2-Butanone	4.562	43	221894	110.239	ug/l	96
26) 2,2-Dichloropropane	4.477	77	63323	22.656	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	55820	20.834	ug/l	98
28) Bromochloromethane	4.903	49	37161	22.201	ug/l	100
29) Tetrahydrofuran	5.019	42	147724	108.142	ug/l	100
30) Chloroform	5.098	83	85971	21.682	ug/l	99
31) Cyclohexane	5.476	56	75634	20.806	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	71522	22.070	ug/l	99
36) 1,1-Dichloropropene	5.696	75	62860	20.918	ug/l	99
37) Ethyl Acetate	4.721	43	84161	21.795	ug/l	99
38) Carbon Tetrachloride	5.684	117	58961	21.040	ug/l	97
39) Methylcyclohexane	7.385	83	77817	20.427	ug/l	96
40) Benzene	6.043	78	201752	21.331	ug/l	99

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41) Methacrylonitrile	4.922	41	44416	21.363	ug/l	99
42) 1,2-Dichloroethane	6.092	62	65933	22.493	ug/l	99
43) Isopropyl Acetate	6.348	43	123274	21.231	ug/l	99
44) Trichloroethene	7.129	130	54087	19.569	ug/l	96
45) 1,2-Dichloropropane	7.440	63	52595	21.393	ug/l	100
46) Dibromomethane	7.586	93	35686	21.090	ug/l	98
47) Bromodichloromethane	7.830	83	65660	21.385	ug/l	99
48) Methyl methacrylate	7.696	41	59890	22.354	ug/l	99
49) 1,4-Dioxane	7.683	88	28897	415.149	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	423842	110.309	ug/l	99
52) Toluene	8.720	92	123155	20.505	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	68425	21.455	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	77303	21.158	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	51693	20.871	ug/l	97
56) Ethyl methacrylate	9.122	69	79406	21.324	ug/l	99
57) 1,3-Dichloropropane	9.311	76	84098	21.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	247819	122.558	ug/l	99
59) 2-Hexanone	9.433	43	330072	112.021	ug/l	98
60) Dibromochloromethane	9.525	129	47769	19.797	ug/l	96
61) 1,2-Dibromoethane	9.610	107	54742	21.236	ug/l	96
64) Tetrachloroethene	9.275	164	53518	20.763	ug/l	98
65) Chlorobenzene	10.079	112	128359	20.075	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	44807	20.555	ug/l	96
67) Ethyl Benzene	10.195	91	233001	21.501	ug/l	98
68) m/p-Xylenes	10.305	106	178142	41.912	ug/l	97
69) o-Xylene	10.646	106	88586	20.815	ug/l	100
70) Styrene	10.658	104	145513	20.600	ug/l	99
71) Bromoform	10.799	173	34822	19.883	ug/l #	99
73) Isopropylbenzene	10.963	105	226862	21.358	ug/l	100
74) N-amyl acetate	10.847	43	98489	21.111	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	77401	20.198	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	75055m	21.399	ug/l	
77) Bromobenzene	11.201	156	54151	20.376	ug/l	99
78) n-propylbenzene	11.305	91	269414	21.380	ug/l	100
79) 2-Chlorotoluene	11.366	91	157883	20.918	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	189313	21.152	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23870	19.641	ug/l	95
82) 4-Chlorotoluene	11.457	91	177878	21.034	ug/l	99
83) tert-Butylbenzene	11.719	119	177486	20.678	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	189343	21.388	ug/l	99
85) sec-Butylbenzene	11.890	105	240585	21.202	ug/l	100
86) p-Isopropyltoluene	12.012	119	196004	21.531	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	100165	20.398	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	101464	20.135	ug/l	99
89) n-Butylbenzene	12.335	91	177132	21.717	ug/l	99
90) Hexachloroethane	12.542	117	32944	21.170	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	101702	20.386	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19267	22.019	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	60114	19.618	ug/l	96
94) Hexachlorobutadiene	13.725	225	23606	19.296	ug/l	97
95) Naphthalene	13.774	128	243001	19.979	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	61545	19.740	ug/l	99

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

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