

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062022\
 Data File : VX029613.D
 Acq On : 20 Jun 2022 11:24
 Operator : JC/MD
 Sample : VX0620WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0620WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/21/2022
 Supervised By : Mahesh Dadoda 06/23/2022

Quant Time: Jun 21 01:48:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	258171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	441517	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	401561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	191786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	157062	45.958	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.920%		
35) Dibromofluoromethane	5.391	113	137695	47.856	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.720%		
50) Toluene-d8	8.653	98	513533	48.855	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.720%		
62) 4-Bromofluorobenzene	11.085	95	195081	49.214	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.420%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	62416	19.963	ug/l	99
3) Chloromethane	1.288	50	59144	17.560	ug/l	99
4) Vinyl Chloride	1.374	62	59311	19.126	ug/l	98
5) Bromomethane	1.612	94	30966	19.572	ug/l	94
6) Chloroethane	1.691	64	34693	16.283	ug/l	98
7) Trichlorofluoromethane	1.886	101	84069	19.459	ug/l	99
8) Diethyl Ether	2.136	74	33576	19.726	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	52830	19.501	ug/l	98
10) Methyl Iodide	2.453	142	39103	14.915	ug/l	96
11) Tert butyl alcohol	2.983	59	70862	89.198	ug/l	96
12) 1,1-Dichloroethene	2.319	96	51009	19.503	ug/l	98
13) Acrolein	2.239	56	18618	98.897	ug/l	99
14) Allyl chloride	2.666	41	81016	19.185	ug/l	96
15) Acrylonitrile	3.069	53	156157	97.691	ug/l	100
16) Acetone	2.386	43	123865	90.932	ug/l	97
17) Carbon Disulfide	2.514	76	129747	19.135	ug/l	100
18) Methyl Acetate	2.709	43	68690	19.073	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	177538	19.552	ug/l	100
20) Methylene Chloride	2.788	84	58241	19.197	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	55468	19.403	ug/l	96
22) Diisopropyl ether	3.764	45	162864	19.496	ug/l	93
23) Vinyl Acetate	3.721	43	695951	99.790	ug/l	98
24) 1,1-Dichloroethane	3.611	63	96439	19.196	ug/l	98
25) 2-Butanone	4.562	43	208728	96.941	ug/l	98
26) 2,2-Dichloropropane	4.483	77	75008	19.182	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	64458	19.300	ug/l	96
28) Bromochloromethane	4.904	49	37735	19.659	ug/l #	7
29) Tetrahydrofuran	5.007	42	139340	97.105	ug/l	95
30) Chloroform	5.099	83	103768	19.517	ug/l	97
31) Cyclohexane	5.471	56	88792	19.353	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	90145	19.223	ug/l	98
36) 1,1-Dichloropropene	5.696	75	74973	19.252	ug/l	99
37) Ethyl Acetate	4.715	43	78803	19.742	ug/l	98
38) Carbon Tetrachloride	5.678	117	76119	19.877	ug/l	98
39) Methylcyclohexane	7.385	83	94068	19.375	ug/l	94
40) Benzene	6.038	78	228174	19.766	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	42846	20.373	ug/l	96
42) 1,2-Dichloroethane	6.092	62	76957	19.393	ug/l	99
43) Isopropyl Acetate	6.342	43	120386	19.395	ug/l	99
44) Trichloroethene	7.129	130	64282	18.950	ug/l	99
45) 1,2-Dichloropropane	7.434	63	56023	19.789	ug/l	96
46) Dibromomethane	7.586	93	41196	20.246	ug/l	95
47) Bromodichloromethane	7.824	83	77872	19.860	ug/l	99
48) Methyl methacrylate	7.696	41	60253	19.798	ug/l	92
49) 1,4-Dioxane	7.684	88	30818	392.753	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	398701	99.655	ug/l	96
52) Toluene	8.720	92	146605	19.833	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	80089	20.213	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	90490	20.395	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	59593	19.939	ug/l	96
56) Ethyl methacrylate	9.116	69	90853	20.122	ug/l	95
57) 1,3-Dichloropropane	9.311	76	98105	19.709	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	195518	92.163	ug/l	97
59) 2-Hexanone	9.433	43	306447	101.152	ug/l	96
60) Dibromochloromethane	9.525	129	58557	20.180	ug/l	97
61) 1,2-Dibromoethane	9.610	107	62326	20.114	ug/l	99
64) Tetrachloroethene	9.275	164	55307	19.045	ug/l	92
65) Chlorobenzene	10.080	112	155156	19.695	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	55342	19.561	ug/l	99
67) Ethyl Benzene	10.195	91	276751	19.525	ug/l	100
68) m/p-Xylenes	10.305	106	218020	39.442	ug/l	98
69) o-Xylene	10.646	106	107629	19.708	ug/l	99
70) Styrene	10.659	104	177277	19.825	ug/l	98
71) Bromoform	10.799	173	39932	19.907	ug/l #	98
73) Isopropylbenzene	10.964	105	278087	19.339	ug/l	98
74) N-amyl acetate	10.842	43	96775	19.377	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	90598	19.487	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	83940m	20.091	ug/l	
77) Bromobenzene	11.201	156	63955	19.487	ug/l	94
78) n-propylbenzene	11.305	91	315722	19.494	ug/l	100
79) 2-Chlorotoluene	11.366	91	193315	19.277	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	239293	19.760	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24504	19.511	ug/l	94
82) 4-Chlorotoluene	11.457	91	217791	19.044	ug/l	99
83) tert-Butylbenzene	11.713	119	233535	19.778	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	236054	19.544	ug/l	99
85) sec-Butylbenzene	11.890	105	288038	19.683	ug/l	99
86) p-Isopropyltoluene	12.012	119	240037	19.590	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	122648	19.618	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	121666	19.491	ug/l	97
89) n-Butylbenzene	12.335	91	202609	19.592	ug/l	99
90) Hexachloroethane	12.542	117	33434	19.056	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	121029	19.694	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19349	18.783	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	73612	19.643	ug/l	99
94) Hexachlorobutadiene	13.725	225	28818	18.782	ug/l	95
95) Naphthalene	13.774	128	269583	20.039	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	71692	19.101	ug/l	97

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

