

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
 Data File : VX029688.D
 Acq On : 22 Jun 2022 10:46
 Operator : JC/MD
 Sample : VX0622WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBS01

Manual Integrations
 APPROVED

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

Quant Time: Jun 23 01:08:02 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	238760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	415435	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	374191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	179344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	139118	44.017	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.040%		
35) Dibromofluoromethane	5.391	113	125808	46.469	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.940%		
50) Toluene-d8	8.653	98	473921	47.917	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.840%		
62) 4-Bromofluorobenzene	11.079	95	177710	47.646	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	57698	19.955	ug/l	99
3) Chloromethane	1.294	50	51916	16.667	ug/l	99
4) Vinyl Chloride	1.374	62	54459	18.989	ug/l	99
5) Bromomethane	1.617	94	27357	18.697	ug/l	99
6) Chloroethane	1.691	64	29887	15.173	ug/l	98
7) Trichlorofluoromethane	1.892	101	77409	19.374	ug/l	96
8) Diethyl Ether	2.136	74	30103	19.124	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	50257	20.060	ug/l	98
10) Methyl Iodide	2.453	142	34811	14.470	ug/l	99
11) Tert butyl alcohol	2.989	59	72983	100.429	ug/l #	93
12) 1,1-Dichloroethene	2.325	96	48995	20.255	ug/l	90
13) Acrolein	2.239	56	13641	78.351	ug/l	95
14) Allyl chloride	2.666	41	72003	18.437	ug/l	95
15) Acrylonitrile	3.068	53	149538	101.156	ug/l	99
16) Acetone	2.392	43	118958	94.429	ug/l	100
17) Carbon Disulfide	2.514	76	120411	19.202	ug/l	99
18) Methyl Acetate	2.709	43	65518	19.671	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	166750	19.857	ug/l	98
20) Methylene Chloride	2.794	84	55843	19.903	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	53007	20.050	ug/l	99
22) Diisopropyl ether	3.763	45	155273	20.098	ug/l	91
23) Vinyl Acetate	3.727	43	631886	97.970	ug/l	100
24) 1,1-Dichloroethane	3.611	63	91945	19.789	ug/l	99
25) 2-Butanone	4.568	43	190211	95.523	ug/l	99
26) 2,2-Dichloropropane	4.477	77	40692	11.253	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	63541	20.572	ug/l	88
28) Bromochloromethane	4.904	49	33011	18.596	ug/l	98
29) Tetrahydrofuran	5.013	42	130171	98.090	ug/l	94
30) Chloroform	5.099	83	97705	19.871	ug/l	100
31) Cyclohexane	5.477	56	84114	19.824	ug/l	93
32) 1,1,1-Trichloroethane	5.391	97	84673	19.524	ug/l	97
36) 1,1-Dichloropropene	5.696	75	71356	19.474	ug/l	98
37) Ethyl Acetate	4.721	43	74436	19.818	ug/l	99
38) Carbon Tetrachloride	5.684	117	71279	19.781	ug/l	98
39) Methylcyclohexane	7.385	83	89864	19.671	ug/l	95
40) Benzene	6.037	78	218056	20.076	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	39508	19.965	ug/l	96
42) 1,2-Dichloroethane	6.092	62	71055	19.030	ug/l	97
43) Isopropyl Acetate	6.342	43	112623	19.283	ug/l	99
44) Trichloroethene	7.129	130	62156	19.506	ug/l	96
45) 1,2-Dichloropropane	7.434	63	53189	19.967	ug/l	97
46) Dibromomethane	7.586	93	38595	20.158	ug/l	96
47) Bromodichloromethane	7.824	83	74070	20.076	ug/l	99
48) Methyl methacrylate	7.696	41	55602	19.417	ug/l	92
49) 1,4-Dioxane	7.690	88	27130	367.459	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	365504	97.093	ug/l	100
52) Toluene	8.720	92	143052	20.568	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	68420	18.352	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	77636	18.596	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	57177	20.332	ug/l	99
56) Ethyl methacrylate	9.116	69	86600	20.384	ug/l	97
57) 1,3-Dichloropropane	9.311	76	94186	20.110	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	175892	88.117	ug/l	97
59) 2-Hexanone	9.433	43	280731	98.481	ug/l	97
60) Dibromochloromethane	9.525	129	55502	20.328	ug/l	98
61) 1,2-Dibromoethane	9.610	107	60306	20.684	ug/l	99
64) Tetrachloroethene	9.275	164	55347	20.453	ug/l	98
65) Chlorobenzene	10.079	112	151404	20.625	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	53754	20.390	ug/l	99
67) Ethyl Benzene	10.195	91	269505	20.404	ug/l	97
68) m/p-Xylenes	10.305	106	210376	40.843	ug/l	100
69) o-Xylene	10.646	106	103849	20.407	ug/l	99
70) Styrene	10.659	104	175453	21.057	ug/l	99
71) Bromoform	10.799	173	37405	20.011	ug/l #	100
73) Isopropylbenzene	10.963	105	271004	20.154	ug/l	98
74) N-amyl acetate	10.841	43	88326	18.912	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	88262	20.302	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	76575m	19.599	ug/l	
77) Bromobenzene	11.201	156	62204	20.269	ug/l	96
78) n-propylbenzene	11.305	91	304768	20.123	ug/l	100
79) 2-Chlorotoluene	11.366	91	186186	19.854	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	227112	20.055	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	18582	15.822	ug/l	91
82) 4-Chlorotoluene	11.457	91	209881	19.626	ug/l	99
83) tert-Butylbenzene	11.713	119	224804	20.359	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	227402	20.134	ug/l	99
85) sec-Butylbenzene	11.890	105	279931	20.456	ug/l	99
86) p-Isopropyltoluene	12.012	119	232986	20.333	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	117366	20.076	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	118248	20.258	ug/l	97
89) n-Butylbenzene	12.335	91	187283	19.366	ug/l	100
90) Hexachloroethane	12.542	117	32899	20.052	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	118216	20.571	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18068	18.756	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	73776	21.052	ug/l	99
94) Hexachlorobutadiene	13.725	225	27523	19.183	ug/l	96
95) Naphthalene	13.774	128	271308	21.567	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	74683	21.279	ug/l	94

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

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