

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070722\
 Data File : VX029952.D
 Acq On : 07 Jul 2022 13:44
 Operator : JC/MD
 Sample : VX0707WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0707WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/08/2022
 Supervised By : Mahesh Dadoda 07/08/2022

Quant Time: Jul 08 05:33:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	210502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	365298	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	319667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	125039	46.926	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.860%		
35) Dibromofluoromethane	5.385	113	114974	50.363	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.720%		
50) Toluene-d8	8.647	98	428966	50.088	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.180%		
62) 4-Bromofluorobenzene	11.079	95	153963	50.857	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	39511	19.248	ug/l	99
3) Chloromethane	1.288	50	40536	17.139	ug/l	97
4) Vinyl Chloride	1.374	62	44917	19.094	ug/l	99
5) Bromomethane	1.605	94	18137	13.994	ug/l	96
6) Chloroethane	1.685	64	26347	17.109	ug/l	97
7) Trichlorofluoromethane	1.886	101	59270	19.628	ug/l	99
8) Diethyl Ether	2.136	74	28988	21.416	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	40983	19.413	ug/l	98
10) Methyl Iodide	2.447	142	32194	12.586	ug/l	98
11) Tert butyl alcohol	2.965	59	69839	100.220	ug/l #	86
12) 1,1-Dichloroethene	2.319	96	40179	18.534	ug/l	99
13) Acrolein	2.233	56	35690	106.315	ug/l	97
14) Allyl chloride	2.666	41	72181	18.041	ug/l	98
15) Acrylonitrile	3.062	53	149354	91.806	ug/l	98
16) Acetone	2.380	43	116430	89.314	ug/l	95
17) Carbon Disulfide	2.514	76	89541	16.611	ug/l	99
18) Methyl Acetate	2.703	43	75217	18.716	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	136432	18.640	ug/l	97
20) Methylene Chloride	2.788	84	47846	17.379	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	42756	17.982	ug/l	96
22) Diisopropyl ether	3.757	45	146836	18.162	ug/l	96
23) Vinyl Acetate	3.721	43	635589	90.896	ug/l	97
24) 1,1-Dichloroethane	3.611	63	80078	18.781	ug/l	98
25) 2-Butanone	4.550	43	203588	89.979	ug/l	96
26) 2,2-Dichloropropane	4.477	77	57158	20.425	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	52469	18.690	ug/l	98
28) Bromochloromethane	4.898	49	32261	18.878	ug/l	95
29) Tetrahydrofuran	5.007	42	137576	92.395	ug/l	100
30) Chloroform	5.093	83	78420	18.756	ug/l	95
31) Cyclohexane	5.471	56	69116	18.603	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	63804	19.164	ug/l	97
36) 1,1-Dichloropropene	5.690	75	57652	18.988	ug/l	98
37) Ethyl Acetate	4.709	43	74071	17.837	ug/l	97
38) Carbon Tetrachloride	5.678	117	51758	19.673	ug/l	99
39) Methylcyclohexane	7.379	83	71052	19.354	ug/l	97
40) Benzene	6.038	78	186191	18.964	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	41326	18.720	ug/l	97
42) 1,2-Dichloroethane	6.086	62	58126	19.290	ug/l	97
43) Isopropyl Acetate	6.336	43	114086	18.244	ug/l	99
44) Trichloroethene	7.129	130	49870	18.861	ug/l	99
45) 1,2-Dichloropropane	7.434	63	48966	18.879	ug/l	99
46) Dibromomethane	7.580	93	32286	19.029	ug/l	97
47) Bromodichloromethane	7.818	83	59802	19.664	ug/l #	94
48) Methyl methacrylate	7.690	41	54680	18.442	ug/l	98
49) 1,4-Dioxane	7.671	88	28441	405.097	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	393434	95.413	ug/l	99
52) Toluene	8.720	92	115126	19.432	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	63430	19.572	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	72655	19.839	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	49016	18.990	ug/l	97
56) Ethyl methacrylate	9.116	69	75473	18.546	ug/l	98
57) 1,3-Dichloropropane	9.311	76	81827	19.705	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	175089	90.165	ug/l #	83
59) 2-Hexanone	9.427	43	305168	95.364	ug/l	98
60) Dibromochloromethane	9.525	129	45894	20.124	ug/l	99
61) 1,2-Dibromoethane	9.610	107	50451	19.127	ug/l	98
64) Tetrachloroethene	9.275	164	45428	23.560	ug/l	97
65) Chlorobenzene	10.080	112	124688	19.431	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	42576	19.858	ug/l	96
67) Ethyl Benzene	10.195	91	216021	19.355	ug/l	99
68) m/p-Xylenes	10.299	106	168120	39.274	ug/l	84
69) o-Xylene	10.640	106	85577	19.737	ug/l	98
70) Styrene	10.659	104	141088	19.685	ug/l	98
71) Bromoform	10.799	173	32435	21.208	ug/l #	98
73) Isopropylbenzene	10.964	105	213485	19.495	ug/l	99
74) N-amyl acetate	10.842	43	97298	17.945	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	79589	18.461	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	70951m	19.584	ug/l	
77) Bromobenzene	11.201	156	51463	19.538	ug/l	98
78) n-propylbenzene	11.305	91	250324	19.381	ug/l	99
79) 2-Chlorotoluene	11.366	91	146724	19.108	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	177566	19.532	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	23953	20.997	ug/l #	86
82) 4-Chlorotoluene	11.457	91	165352	18.901	ug/l	98
83) tert-Butylbenzene	11.713	119	170256	18.897	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	177485	19.489	ug/l	99
85) sec-Butylbenzene	11.890	105	227292	20.020	ug/l	99
86) p-Isopropyltoluene	12.012	119	180532	19.922	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	95994	18.982	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	95878	18.580	ug/l	100
89) n-Butylbenzene	12.335	91	165220	19.396	ug/l	99
90) Hexachloroethane	12.542	117	29132	19.708	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	98403	19.807	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17175	19.064	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	59389	19.726	ug/l	98
94) Hexachlorobutadiene	13.725	225	23073	20.716	ug/l	99
95) Naphthalene	13.774	128	238266	19.492	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	61292	19.885	ug/l	99

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

