

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050323\
 Data File : VX035499.D
 Acq On : 03 May 2023 10:57
 Operator : JC/MD
 Sample : VX0503WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2023
 Supervised By : Mahesh Dadoda 05/04/2023

Quant Time: May 03 15:17:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	270061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	422099	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	377651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	186302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	172130	52.831	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.660%			
35) Dibromofluoromethane	5.385	113	144740	55.869	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.740%			
50) Toluene-d8	8.647	98	526809	53.904	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.800%			
62) 4-Bromofluorobenzene	11.079	95	206098	56.059	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	56470	19.762	ug/l	98
3) Chloromethane	1.295	50	44516	17.125	ug/l	100
4) Vinyl Chloride	1.374	62	47544	18.235	ug/l	99
5) Bromomethane	1.618	94	29892	17.250	ug/l	97
6) Chloroethane	1.691	64	27366	17.946	ug/l	99
7) Trichlorofluoromethane	1.892	101	81034	19.875	ug/l	98
8) Diethyl Ether	2.136	74	27182	18.285	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	51293	18.836	ug/l	94
10) Methyl Iodide	2.453	142	54783	15.940	ug/l	98
11) Tert butyl alcohol	3.008	59	57608	97.108	ug/l	95
12) 1,1-Dichloroethene	2.319	96	49048	18.699	ug/l	97
13) Acrolein	2.239	56	55192	94.602	ug/l	100
14) Allyl chloride	2.666	41	81760	17.713	ug/l	98
15) Acrylonitrile	3.063	53	140324	94.574	ug/l	99
16) Acetone	2.392	43	137477	97.153	ug/l	99
17) Carbon Disulfide	2.514	76	104259	16.581	ug/l	100
18) Methyl Acetate	2.703	43	107421	19.631	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	187030	20.784	ug/l	98
20) Methylene Chloride	2.788	84	57789	17.811	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	53479	18.773	ug/l	94
22) Diisopropyl ether	3.757	45	182617	19.992	ug/l	95
23) Vinyl Acetate	3.721	43	626201	99.735	ug/l	99
24) 1,1-Dichloroethane	3.611	63	100703	19.573	ug/l	99
25) 2-Butanone	4.562	43	199235	96.462	ug/l	96
26) 2,2-Dichloropropane	4.477	77	83938	20.824	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	65620	19.596	ug/l	95
28) Bromochloromethane	4.898	49	47507	21.667	ug/l	84
29) Tetrahydrofuran	5.007	42	123172	93.028	ug/l	93
30) Chloroform	5.093	83	108062	20.805	ug/l	98
31) Cyclohexane	5.471	56	86490	18.714	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	93837	20.615	ug/l	96
36) 1,1-Dichloropropene	5.696	75	79088	19.551	ug/l	99
37) Ethyl Acetate	4.715	43	74344	20.122	ug/l #	95
38) Carbon Tetrachloride	5.678	117	78637	20.477	ug/l	97
39) Methylcyclohexane	7.379	83	92798	18.846	ug/l	97
40) Benzene	6.038	78	232447	20.031	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	41853	19.769	ug/l	95
42) 1,2-Dichloroethane	6.086	62	83642	20.215	ug/l	97
43) Isopropyl Acetate	6.336	43	125197	20.166	ug/l #	94
44) Trichloroethene	7.123	130	63651	19.911	ug/l	96
45) 1,2-Dichloropropane	7.428	63	60036	20.521	ug/l	99
46) Dibromomethane	7.580	93	41135	20.475	ug/l	92
47) Bromodichloromethane	7.818	83	78717	21.265	ug/l	96
48) Methyl methacrylate	7.690	41	63189	20.750	ug/l	92
49) 1,4-Dioxane	7.714	88	28618	385.529	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	391336	102.602	ug/l	96
52) Toluene	8.720	92	148692	20.214	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	84270	21.799	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	94337	21.590	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	62251	21.229	ug/l	97
56) Ethyl methacrylate	9.116	69	94268	21.580	ug/l #	88
57) 1,3-Dichloropropane	9.305	76	103953	20.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	213601	97.794	ug/l	94
59) 2-Hexanone	9.427	43	294550	102.797	ug/l	93
60) Dibromochloromethane	9.519	129	63064	22.446	ug/l	97
61) 1,2-Dibromoethane	9.610	107	63640	21.052	ug/l	99
64) Tetrachloroethene	9.275	164	56890	19.674	ug/l	98
65) Chlorobenzene	10.080	112	164378	20.118	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	61529	21.638	ug/l	99
67) Ethyl Benzene	10.195	91	289085	20.431	ug/l	99
68) m/p-Xylenes	10.299	106	225402	41.573	ug/l	99
69) o-Xylene	10.640	106	112816	21.219	ug/l	99
70) Styrene	10.653	104	185732	21.546	ug/l	98
71) Bromoform	10.799	173	44222	22.358	ug/l #	98
73) Isopropylbenzene	10.964	105	296627	21.781	ug/l	100
74) N-amyl acetate	10.842	43	109216	21.340	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	90552	21.423	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	73831m	19.867	ug/l	
77) Bromobenzene	11.195	156	72280	21.352	ug/l	90
78) n-propylbenzene	11.305	91	321985	20.586	ug/l	97
79) 2-Chlorotoluene	11.366	91	201216	20.588	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	250945	21.854	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	23204	20.223	ug/l	97
82) 4-Chlorotoluene	11.451	91	232700	21.198	ug/l	99
83) tert-Butylbenzene	11.713	119	243263	21.114	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	245713	21.296	ug/l	99
85) sec-Butylbenzene	11.890	105	291384	20.618	ug/l	99
86) p-Isopropyltoluene	12.006	119	250132	20.810	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	135357	21.040	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	135492	20.087	ug/l	100
89) n-Butylbenzene	12.335	91	201980	19.906	ug/l	99
90) Hexachloroethane	12.536	117	38942	21.164	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	132977	20.667	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18396	21.704	ug/l	82
93) 1,2,4-Trichlorobenzene	13.591	180	84809	20.969	ug/l	99
94) Hexachlorobutadiene	13.725	225	35248	19.857	ug/l	99
95) Naphthalene	13.774	128	281429	22.603	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	84156	20.670	ug/l	99

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

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