

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041523\
 Data File : VX035072.D
 Acq On : 14 Apr 2023 10:24
 Operator : JC/MD
 Sample : VX0415WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2023
 Supervised By : Mahesh Dadoda 04/17/2023

Quant Time: Apr 17 05:04:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	307792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	510421	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	452830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	218603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	198110	42.086	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.180%		
35) Dibromofluoromethane	5.391	113	156826	46.453	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.900%		
50) Toluene-d8	8.646	98	567230	45.520	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.040%#		
62) 4-Bromofluorobenzene	11.079	95	222259	46.091	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	53856	17.543	ug/l	96
3) Chloromethane	1.294	50	60901	15.845	ug/l	99
4) Vinyl Chloride	1.373	62	62204	16.345	ug/l	97
5) Bromomethane	1.617	94	38908	15.733	ug/l	96
6) Chloroethane	1.690	64	36405	14.703	ug/l	97
7) Trichlorofluoromethane	1.892	101	91003	14.874	ug/l	99
8) Diethyl Ether	2.135	74	36184	16.776	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.330	101	58133	18.179	ug/l	99
10) Methyl Iodide	2.459	142	63607	15.972	ug/l	96
11) Tert butyl alcohol	2.995	59	71820	86.960	ug/l	97
12) 1,1-Dichloroethene	2.324	96	54140	17.134	ug/l	97
13) Acrolein	2.239	56	65059	76.523	ug/l	99
14) Allyl chloride	2.666	41	106032	17.128	ug/l	97
15) Acrylonitrile	3.068	53	180077	96.865	ug/l	99
16) Acetone	2.391	43	157580	82.406	ug/l	100
17) Carbon Disulfide	2.513	76	112734	14.245	ug/l	99
18) Methyl Acetate	2.708	43	135563	19.952	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	215749	18.442	ug/l	98
20) Methylene Chloride	2.788	84	66586	17.646	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	58740	17.045	ug/l	96
22) Diisopropyl ether	3.757	45	229570	18.379	ug/l	93
23) Vinyl Acetate	3.720	43	807757	90.675	ug/l	98
24) 1,1-Dichloroethane	3.611	63	120645	17.951	ug/l	99
25) 2-Butanone	4.568	43	258056	92.772	ug/l	98
26) 2,2-Dichloropropane	4.476	77	90484	16.372	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	72892	17.851	ug/l	100
28) Bromochloromethane	4.897	49	75216	22.879	ug/l	96
29) Tetrahydrofuran	5.013	42	164804	94.576	ug/l	100
30) Chloroform	5.098	83	124095	18.180	ug/l	97
31) Cyclohexane	5.470	56	97495	17.010	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	103669	17.797	ug/l	99
36) 1,1-Dichloropropene	5.696	75	87829	17.560	ug/l	99
37) Ethyl Acetate	4.720	43	97350	18.614	ug/l	97
38) Carbon Tetrachloride	5.677	117	85924	18.221	ug/l	94
39) Methylcyclohexane	7.378	83	88517	16.666	ug/l	94
40) Benzene	6.037	78	263848	18.377	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	56640	19.914	ug/l	98
42) 1,2-Dichloroethane	6.086	62	101003	17.694	ug/l	99
43) Isopropyl Acetate	6.342	43	162485	18.570	ug/l	99
44) Trichloroethene	7.128	130	67935	18.536	ug/l	98
45) 1,2-Dichloropropane	7.433	63	69772	18.648	ug/l	99
46) Dibromomethane	7.586	93	45893	17.828	ug/l	97
47) Bromodichloromethane	7.823	83	89199	18.759	ug/l	97
48) Methyl methacrylate	7.695	41	80045	18.628	ug/l	96
49) 1,4-Dioxane	7.708	88	33238	375.349	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	512210	98.914	ug/l	99
52) Toluene	8.720	92	168011	17.947	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	91342	17.856	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	102538	18.317	ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	68990	19.471	ug/l	99
56) Ethyl methacrylate	9.116	69	107538	19.371	ug/l	95
57) 1,3-Dichloropropane	9.311	76	118126	18.825	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	316678	112.035	ug/l	98
59) 2-Hexanone	9.433	43	384979	98.292	ug/l	99
60) Dibromochloromethane	9.518	129	64602	19.140	ug/l	99
61) 1,2-Dibromoethane	9.610	107	70379	19.102	ug/l	99
64) Tetrachloroethene	9.274	164	58425	18.029	ug/l	97
65) Chlorobenzene	10.079	112	177306	18.819	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	63604	19.633	ug/l	99
67) Ethyl Benzene	10.195	91	316714	18.556	ug/l	99
68) m/p-Xylenes	10.299	106	243061	37.281	ug/l	100
69) o-Xylene	10.640	106	120000	18.788	ug/l	97
70) Styrene	10.658	104	198223	19.442	ug/l	98
71) Bromoform	10.798	173	43154	19.585	ug/l	100
73) Isopropylbenzene	10.963	105	310158	19.369	ug/l	99
74) N-amyl acetate	10.841	43	135783	18.860	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	104299	19.873	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	94404m	21.433	ug/l	
77) Bromobenzene	11.201	156	76091	19.178	ug/l	97
78) n-propylbenzene	11.305	91	345929	18.701	ug/l	99
79) 2-Chlorotoluene	11.365	91	220520	18.881	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	254373	18.999	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24563	16.713	ug/l	86
82) 4-Chlorotoluene	11.457	91	250798	18.492	ug/l	98
83) tert-Butylbenzene	11.713	119	250210	19.902	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	256245	18.821	ug/l	100
85) sec-Butylbenzene	11.890	105	287150	18.774	ug/l	100
86) p-Isopropyltoluene	12.012	119	243814	19.117	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	137792	19.070	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	141100	18.697	ug/l	98
89) n-Butylbenzene	12.335	91	198512	17.815	ug/l	99
90) Hexachloroethane	12.542	117	35447	17.939	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	142230	19.654	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	21339	19.479	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	80329	19.626	ug/l	99
94) Hexachlorobutadiene	13.725	225	34766	19.312	ug/l	97
95) Naphthalene	13.774	128	299610	20.601	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	83366	20.197	ug/l	97

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

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