

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041423\
 Data File : VX035059.D
 Acq On : 13 Apr 2023 13:17
 Operator : JC/MD
 Sample : VX0414WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 05:40:55 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	5.550	168	306910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	502618	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	447824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	221479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	220024	46.876	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.760%		
35) Dibromofluoromethane	5.379	113	171996	51.737	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.480%		
50) Toluene-d8	8.647	98	624081	50.860	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.720%		
62) 4-Bromofluorobenzene	11.079	95	249018	52.442	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	54785	17.897	ug/l	97
3) Chloromethane	1.295	50	60678	15.832	ug/l	99
4) Vinyl Chloride	1.374	62	62820	16.554	ug/l	96
5) Bromomethane	1.618	94	38548	15.632	ug/l	97
6) Chloroethane	1.691	64	36766	14.891	ug/l	94
7) Trichlorofluoromethane	1.886	101	90226	14.789	ug/l	100
8) Diethyl Ether	2.130	74	37867	17.606	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	59458	18.647	ug/l	98
10) Methyl Iodide	2.453	142	64638	16.278	ug/l	96
11) Tert butyl alcohol	2.995	59	80594	97.864	ug/l	98
12) 1,1-Dichloroethene	2.319	96	54760	17.380	ug/l	98
13) Acrolein	2.239	56	81205	95.789	ug/l	99
14) Allyl chloride	2.660	41	109373	17.719	ug/l	98
15) Acrylonitrile	3.069	53	192077	103.617	ug/l	98
16) Acetone	2.392	43	185931	97.512	ug/l	100
17) Carbon Disulfide	2.508	76	117136	14.844	ug/l	100
18) Methyl Acetate	2.703	43	139848	20.642	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	221949	19.026	ug/l	96
20) Methylene Chloride	2.788	84	67121	17.839	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	60779	17.687	ug/l	99
22) Diisopropyl ether	3.757	45	236621	18.998	ug/l	95
23) Vinyl Acetate	3.721	43	845752	95.213	ug/l	99
24) 1,1-Dichloroethane	3.605	63	120812	18.028	ug/l	98
25) 2-Butanone	4.562	43	278163	100.288	ug/l	98
26) 2,2-Dichloropropane	4.471	77	94248	17.102	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	74140	18.209	ug/l	99
28) Bromochloromethane	4.898	49	80118	24.440	ug/l	97
29) Tetrahydrofuran	5.007	42	174361	100.348	ug/l	100
30) Chloroform	5.087	83	124626	18.310	ug/l	97
31) Cyclohexane	5.471	56	102197	17.881	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	105712	18.200	ug/l	99
36) 1,1-Dichloropropene	5.690	75	89795	18.232	ug/l	99
37) Ethyl Acetate	4.709	43	102896	19.980	ug/l	98
38) Carbon Tetrachloride	5.678	117	87403	18.823	ug/l	96
39) Methylcyclohexane	7.379	83	92250	17.638	ug/l	97
40) Benzene	6.038	78	264891	18.736	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	59424	21.217	ug/l	99
42) 1,2-Dichloroethane	6.086	62	103238	18.367	ug/l	98
43) Isopropyl Acetate	6.336	43	169042	19.620	ug/l	98
44) Trichloroethene	7.129	130	67888	18.810	ug/l	97
45) 1,2-Dichloropropane	7.428	63	71737	19.471	ug/l	98
46) Dibromomethane	7.580	93	47906	18.898	ug/l	98
47) Bromodichloromethane	7.818	83	89518	19.118	ug/l	100
48) Methyl methacrylate	7.696	41	84356	19.936	ug/l	97
49) 1,4-Dioxane	7.702	88	37545	430.569	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	531100	104.154	ug/l	98
52) Toluene	8.720	92	170533	18.499	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	94199	18.701	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	106417	19.305	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	70965	20.340	ug/l	97
56) Ethyl methacrylate	9.116	69	111368	20.373	ug/l	96
57) 1,3-Dichloropropane	9.305	76	122371	19.805	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	267532	96.117	ug/l	98
59) 2-Hexanone	9.427	43	406884	105.497	ug/l	99
60) Dibromochloromethane	9.519	129	67249	20.234	ug/l	99
61) 1,2-Dibromoethane	9.610	107	74060	20.413	ug/l	99
64) Tetrachloroethene	9.275	164	60925	19.010	ug/l	96
65) Chlorobenzene	10.080	112	180788	19.403	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	65245	20.364	ug/l	99
67) Ethyl Benzene	10.195	91	322493	19.106	ug/l	99
68) m/p-Xylenes	10.299	106	247129	38.328	ug/l	99
69) o-Xylene	10.640	106	124185	19.661	ug/l	99
70) Styrene	10.653	104	205054	20.336	ug/l	98
71) Bromoform	10.799	173	44443	20.395	ug/l #	100
73) Isopropylbenzene	10.964	105	315416	19.442	ug/l	99
74) N-amyl acetate	10.842	43	143826	19.718	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	109030	20.505	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	88560m	19.845	ug/l	
77) Bromobenzene	11.201	156	76082	18.926	ug/l	98
78) n-propylbenzene	11.305	91	352419	18.804	ug/l	100
79) 2-Chlorotoluene	11.366	91	223900	18.922	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	262308	19.338	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26221	17.609	ug/l	87
82) 4-Chlorotoluene	11.457	91	259976	18.920	ug/l	100
83) tert-Butylbenzene	11.713	119	254638	19.991	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	264581	19.180	ug/l	100
85) sec-Butylbenzene	11.890	105	301823	19.477	ug/l	99
86) p-Isopropyltoluene	12.012	119	253383	19.609	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	144196	19.697	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	147864	19.339	ug/l	99
89) n-Butylbenzene	12.335	91	213237	18.888	ug/l	99
90) Hexachloroethane	12.543	117	37602	18.782	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	141427	19.289	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22529	20.299	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	85169	20.538	ug/l	99
94) Hexachlorobutadiene	13.725	225	37260	20.429	ug/l	97
95) Naphthalene	13.780	128	314493	21.344	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	87093	20.826	ug/l	98

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

