

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041323\
 Data File : VX035038.D
 Acq On : 12 Apr 2023 11:53
 Operator : JC/MD
 Sample : VX0413WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/13/2023
 Supervised By : Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 02:31:01 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	281829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	462590	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	415731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	203288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	210873	48.925	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.840%		
35) Dibromofluoromethane	5.385	113	157804	51.576	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.160%		
50) Toluene-d8	8.647	98	572895	50.728	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.460%		
62) 4-Bromofluorobenzene	11.079	95	224501	51.370	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	51203	18.216	ug/l	98
3) Chloromethane	1.295	50	58077	16.502	ug/l	99
4) Vinyl Chloride	1.374	62	57985	16.640	ug/l	97
5) Bromomethane	1.618	94	37867	16.723	ug/l	100
6) Chloroethane	1.691	64	35389	15.609	ug/l	100
7) Trichlorofluoromethane	1.892	101	84659	15.112	ug/l	100
8) Diethyl Ether	2.130	74	35633	18.042	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	54730	18.691	ug/l	100
10) Methyl Iodide	2.453	142	57402	15.742	ug/l	94
11) Tert butyl alcohol	3.014	59	69984	92.543	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	50592	17.486	ug/l	95
13) Acrolein	2.240	56	87906	112.921	ug/l	100
14) Allyl chloride	2.666	41	99014	17.468	ug/l	98
15) Acrylonitrile	3.069	53	170752	100.310	ug/l	98
16) Acetone	2.398	43	174530	99.678	ug/l	100
17) Carbon Disulfide	2.514	76	108618	14.990	ug/l	99
18) Methyl Acetate	2.709	43	125134	20.114	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	201792	18.838	ug/l	100
20) Methylene Chloride	2.788	84	60723	17.575	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	55407	17.559	ug/l	98
22) Diisopropyl ether	3.758	45	215472	18.840	ug/l	99
23) Vinyl Acetate	3.721	43	771448	94.577	ug/l	97
24) 1,1-Dichloroethane	3.611	63	111546	18.127	ug/l	99
25) 2-Butanone	4.562	43	249990	98.152	ug/l	99
26) 2,2-Dichloropropane	4.477	77	83002	16.402	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	66647	17.825	ug/l	99
28) Bromochloromethane	4.898	49	64397	21.393	ug/l	99
29) Tetrahydrofuran	5.013	42	155956	97.743	ug/l	99
30) Chloroform	5.093	83	114899	18.383	ug/l	98
31) Cyclohexane	5.471	56	95322	18.162	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	96586	18.108	ug/l	99
36) 1,1-Dichloropropene	5.696	75	81858	18.058	ug/l	99
37) Ethyl Acetate	4.715	43	94182	19.871	ug/l	99
38) Carbon Tetrachloride	5.672	117	79162	18.523	ug/l	97
39) Methylcyclohexane	7.379	83	89213	18.534	ug/l	93
40) Benzene	6.038	78	243283	18.696	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	53545	20.773	ug/l	98
42) 1,2-Dichloroethane	6.086	62	96119	18.580	ug/l	99
43) Isopropyl Acetate	6.336	43	149025	18.793	ug/l	98
44) Trichloroethene	7.129	130	62869	18.927	ug/l	94
45) 1,2-Dichloropropane	7.428	63	63588	18.753	ug/l	100
46) Dibromomethane	7.586	93	43287	18.554	ug/l	99
47) Bromodichloromethane	7.818	83	81346	18.876	ug/l	99
48) Methyl methacrylate	7.690	41	75754	19.453	ug/l	97
49) 1,4-Dioxane	7.720	88	33316	415.132	ug/l #	80
51) 4-Methyl-2-Pentanone	8.574	43	477581	101.763	ug/l	99
52) Toluene	8.720	92	152712	17.999	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	84388	18.203	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	94047	18.537	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	63172	19.673	ug/l	98
56) Ethyl methacrylate	9.116	69	98626	19.603	ug/l	98
57) 1,3-Dichloropropane	9.305	76	110671	19.461	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	235044	91.752	ug/l	98
59) 2-Hexanone	9.427	43	359220	101.198	ug/l	100
60) Dibromochloromethane	9.519	129	59268	19.376	ug/l	98
61) 1,2-Dibromoethane	9.610	107	64829	19.415	ug/l	100
64) Tetrachloroethene	9.275	164	55109	18.523	ug/l	96
65) Chlorobenzene	10.080	112	163011	18.846	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	58068	19.523	ug/l	99
67) Ethyl Benzene	10.195	91	292103	18.641	ug/l	97
68) m/p-Xylenes	10.299	106	223267	37.301	ug/l	98
69) o-Xylene	10.640	106	109620	18.695	ug/l	98
70) Styrene	10.653	104	180840	19.319	ug/l	99
71) Bromoform	10.799	173	38718	19.140	ug/l #	99
73) Isopropylbenzene	10.964	105	286322	19.228	ug/l	98
74) N-amyl acetate	10.842	43	124171	18.546	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	95375	19.542	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80070m	19.548	ug/l	
77) Bromobenzene	11.195	156	69113	18.731	ug/l	99
78) n-propylbenzene	11.305	91	324947	18.890	ug/l	100
79) 2-Chlorotoluene	11.366	91	205184	18.892	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	238708	19.173	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	20954	15.331	ug/l #	80
82) 4-Chlorotoluene	11.451	91	234714	18.610	ug/l	99
83) tert-Butylbenzene	11.713	119	224401	19.194	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	241052	19.038	ug/l	98
85) sec-Butylbenzene	11.890	105	276024	19.406	ug/l	99
86) p-Isopropyltoluene	12.006	119	232329	19.589	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	128415	19.111	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	129927	18.513	ug/l	98
89) n-Butylbenzene	12.335	91	195209	18.839	ug/l	98
90) Hexachloroethane	12.536	117	34238	18.632	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	128884	19.151	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19818	19.454	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	75628	19.869	ug/l	100
94) Hexachlorobutadiene	13.725	225	32530	19.431	ug/l	98
95) Naphthalene	13.774	128	267017	19.743	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	75975	19.793	ug/l	99

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

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