

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036203.D
 Acq On : 19 Jun 2023 14:06
 Operator : JC/MD
 Sample : VX0619WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2023
 Supervised By : Mahesh Dadoda 06/20/2023

Quant Time: Jun 20 03:41:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	182652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	315727	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	287188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	137865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	168492	50.479	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.960%			
35) Dibromofluoromethane	5.385	113	114629	53.540	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.080%			
50) Toluene-d8	8.647	98	407717	52.061	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.120%			
62) 4-Bromofluorobenzene	11.079	95	165141	52.238	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	40068	17.872	ug/l	99
3) Chloromethane	1.294	50	40370	17.019	ug/l	98
4) Vinyl Chloride	1.374	62	41470	18.352	ug/l	97
5) Bromomethane	1.611	94	24854	17.892	ug/l	99
6) Chloroethane	1.691	64	26347	18.019	ug/l	98
7) Trichlorofluoromethane	1.886	101	72173	19.736	ug/l	100
8) Diethyl Ether	2.130	74	25039	18.395	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	41346	19.825	ug/l	98
10) Methyl Iodide	2.453	142	41556	19.325	ug/l	99
11) Tert butyl alcohol	2.989	59	49658	97.313	ug/l #	89
12) 1,1-Dichloroethene	2.319	96	37769	19.152	ug/l	96
13) Acrolein	2.239	56	54068	95.411	ug/l	99
14) Allyl chloride	2.666	41	75857	19.010	ug/l	99
15) Acrylonitrile	3.062	53	123383	94.519	ug/l	99
16) Acetone	2.386	43	123541	89.085	ug/l	99
17) Carbon Disulfide	2.514	76	90076	18.479	ug/l	100
18) Methyl Acetate	2.703	43	101197	19.241	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	149229	19.330	ug/l	99
20) Methylene Chloride	2.788	84	47264	18.811	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	41284	18.842	ug/l	99
22) Diisopropyl ether	3.757	45	151867	19.126	ug/l	94
23) Vinyl Acetate	3.721	43	553030	98.268	ug/l	100
24) 1,1-Dichloroethane	3.611	63	83152	18.953	ug/l	99
25) 2-Butanone	4.556	43	185139	95.361	ug/l	99
26) 2,2-Dichloropropane	4.477	77	66659	19.539	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	47673	19.027	ug/l	97
28) Bromochloromethane	4.891	49	37152	16.245	ug/l	98
29) Tetrahydrofuran	5.007	42	117061	94.937	ug/l	99
30) Chloroform	5.093	83	88471	19.148	ug/l	97
31) Cyclohexane	5.470	56	69410	19.384	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	76911	19.634	ug/l	98
36) 1,1-Dichloropropene	5.690	75	63365	20.092	ug/l	98
37) Ethyl Acetate	4.715	43	69249	18.846	ug/l	99
38) Carbon Tetrachloride	5.678	117	63531	20.722	ug/l	94
39) Methylcyclohexane	7.379	83	71632	21.089	ug/l	92
40) Benzene	6.031	78	174218	19.644	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	40520	20.002	ug/l	99
42) 1,2-Dichloroethane	6.080	62	79915	20.002	ug/l	100
43) Isopropyl Acetate	6.342	43	113491	20.182	ug/l	99
44) Trichloroethene	7.123	130	43762	19.746	ug/l	97
45) 1,2-Dichloropropane	7.427	63	46632	19.777	ug/l	99
46) Dibromomethane	7.580	93	33930	20.200	ug/l	98
47) Bromodichloromethane	7.818	83	64489	19.998	ug/l	99
48) Methyl methacrylate	7.690	41	56600	19.618	ug/l	98
49) 1,4-Dioxane	7.696	88	22738	470.728	ug/l #	96
51) 4-Methyl-2-Pentanone	8.574	43	365112	102.829	ug/l	98
52) Toluene	8.720	92	109893	19.791	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	66237	19.942	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	71209	19.992	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	45423	19.815	ug/l	97
56) Ethyl methacrylate	9.116	69	68823	19.875	ug/l	93
57) 1,3-Dichloropropane	9.305	76	81386	19.957	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	199274	104.409	ug/l	99
59) 2-Hexanone	9.427	43	272855	103.365	ug/l	98
60) Dibromochloromethane	9.519	129	44371	19.831	ug/l	100
61) 1,2-Dibromoethane	9.610	107	47718	19.965	ug/l	98
64) Tetrachloroethene	9.275	164	37374	20.917	ug/l	99
65) Chlorobenzene	10.079	112	117809	19.796	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	42081	20.491	ug/l	99
67) Ethyl Benzene	10.195	91	212999	20.041	ug/l	99
68) m/p-Xylenes	10.299	106	164389	40.996	ug/l	97
69) o-Xylene	10.640	106	78180	19.762	ug/l	95
70) Styrene	10.652	104	129543	19.652	ug/l	98
71) Bromoform	10.799	173	27166	19.214	ug/l #	99
73) Isopropylbenzene	10.963	105	209920	20.520	ug/l	99
74) N-amyl acetate	10.841	43	94084	20.352	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	73337	20.937	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	68898m	21.057	ug/l	
77) Bromobenzene	11.195	156	48122	20.078	ug/l	95
78) n-propylbenzene	11.305	91	253541	21.068	ug/l	97
79) 2-Chlorotoluene	11.366	91	154353	20.392	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	182925	21.000	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	17832	19.076	ug/l	90
82) 4-Chlorotoluene	11.451	91	180911	20.513	ug/l	98
83) tert-Butylbenzene	11.713	119	172053	20.776	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	183103	21.074	ug/l	100
85) sec-Butylbenzene	11.890	105	221763	21.507	ug/l	99
86) p-Isopropyltoluene	12.006	119	185137	21.341	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	92266	20.186	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	92327	19.720	ug/l	97
89) n-Butylbenzene	12.329	91	166247	21.473	ug/l	99
90) Hexachloroethane	12.536	117	28369	20.847	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	90786	20.237	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16687	21.599	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	56858	22.359	ug/l	96
94) Hexachlorobutadiene	13.725	225	21978	21.863	ug/l	97
95) Naphthalene	13.774	128	190939	21.768	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	55214	21.652	ug/l	98

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

