

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061520\
 Data File : VX016747.D
 Acq On : 15 Jun 2020 11:33
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/16/2020 3:23:07 PM

Quant Time: Jun 15 12:52:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 15 12:43:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	198597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	355084	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	341320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	160416	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	14981	6.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.44%	
35) Dibromofluoromethane	5.47	113	12070	5.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.08%	
50) Toluene-d8	8.70	98	37806	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	
62) 4-Bromofluorobenzene	11.12	95	14818	4.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.10%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	5258	2.646	ug/l 98
3) Chloromethane	1.31	50	11817	5.094	ug/l 96
4) Vinyl Chloride	1.39	62	10611	4.303	ug/l 100
5) Bromomethane	1.62	94	8606	6.911	ug/l 96
6) Chloroethane	1.70	64	7646	5.301	ug/l # 86
7) Trichlorofluoromethane	1.91	101	12553	3.807	ug/l 97
8) Diethyl Ether	2.17	74	8658	6.414	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	6206	3.471	ug/l 96
10) Methyl Iodide	2.49	142	9378	4.802	ug/l 99
11) Tert butyl alcohol	3.01	59	16804	27.621	ug/l 99
12) 1,1-Dichloroethene	2.36	96	9756	5.145	ug/l 97
13) Acrolein	2.27	56	8369	31.953	ug/l 96
14) Allyl chloride	2.70	41	17662	5.207	ug/l 98
15) Acrylonitrile	3.11	53	34641	27.707	ug/l 98
16) Acetone	2.42	43	30210	28.897	ug/l 100
17) Carbon Disulfide	2.54	76	27327	4.887	ug/l 95
18) Methyl Acetate	2.75	43	15382	5.630	ug/l 97
19) Methyl tert-butyl Ether	3.17	73	39686	5.900	ug/l 98
20) Methylene Chloride	2.83	84	13836	6.297	ug/l 94
21) trans-1,2-Dichloroethene	3.14	96	11522	5.521	ug/l 96
22) Diisopropyl ether	3.82	45	34819	5.366	ug/l 99
23) Vinyl Acetate	3.78	43	149969	26.601	ug/l 100
24) 1,1-Dichloroethane	3.67	63	21036	5.655	ug/l 98
25) 2-Butanone	4.64	43	46262	26.416	ug/l 92
26) 2,2-Dichloropropane	4.55	77	18206	5.807	ug/l 97
27) cis-1,2-Dichloroethene	4.57	96	14015	5.833	ug/l 98
28) Bromochloromethane	4.98	49	9493	5.529	ug/l 98
29) Tetrahydrofuran	5.09	42	30651	27.132	ug/l 95
30) Chloroform	5.18	83	22607	5.981	ug/l 97
31) Cyclohexane	5.55	56	8862	2.676	ug/l 91
32) 1,1,1-Trichloroethane	5.46	97	18091	5.253	ug/l 98
36) 1,1-Dichloropropene	5.77	75	12805	3.851	ug/l 97
37) Ethyl Acetate	4.79	43	18321	4.697	ug/l 99
38) Carbon Tetrachloride	5.75	117	14211	4.012	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	8383	2.311	ug/l	96
40) Benzene	6.11	78	48557	4.915	ug/l	100
41) Methacrylonitrile	5.00	41	9322	4.350	ug/l	97
42) 1,2-Dichloroethane	6.16	62	18800	5.344	ug/l	100
43) Isopropyl Acetate	6.41	43	27972	4.585	ug/l	99
44) Trichloroethene	7.19	130	14692	4.681	ug/l	92
45) 1,2-Dichloropropane	7.49	63	11944	4.774	ug/l	95
46) Dibromomethane	7.64	93	8689	5.118	ug/l	98
47) Bromodichloromethane	7.87	83	18037	5.126	ug/l	98
48) Methyl methacrylate	7.74	41	12969	4.449	ug/l	96
49) 1,4-Dioxane	7.71	88	6434	93.479	ug/l #	93
51) 4-Methyl-2-Pentanone	8.62	43	86323	22.782	ug/l	99
52) Toluene	8.76	92	30978	4.949	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	20584	5.145	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	21632	5.128	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	13529	5.423	ug/l	91
56) Ethyl methacrylate	9.16	69	18273	4.558	ug/l	97
57) 1,3-Dichloropropane	9.35	76	22596	5.320	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	48476	23.184	ug/l	97
59) 2-Hexanone	9.47	43	65765	22.347	ug/l	97
60) Dibromochloromethane	9.57	129	14972	5.289	ug/l	98
61) 1,2-Dibromoethane	9.65	107	14099	5.257	ug/l	99
64) Tetrachloroethene	9.32	164	15658	4.209	ug/l	94
65) Chlorobenzene	10.12	112	35087	5.083	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.21	131	13924	5.232	ug/l	99
67) Ethyl Benzene	10.23	91	53271	4.360	ug/l	98
68) m/p-Xylenes	10.34	106	40055	8.796	ug/l	99
69) o-Xylene	10.68	106	19974	4.525	ug/l	98
70) Styrene	10.70	104	33439	4.418	ug/l	99
71) Bromoform	10.84	173	11406	5.094	ug/l #	96
73) Isopropylbenzene	11.00	105	45977	4.180	ug/l	100
74) N-amyl acetate	10.88	43	19931	4.054	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	16508	5.920	ug/l	97
76) 1,2,3-Trichloropropane	11.28	75	18482m	5.339	ug/l	
77) Bromobenzene	11.24	156	15396	5.298	ug/l	99
78) n-propylbenzene	11.34	91	49612	4.055	ug/l	98
79) 2-Chlorotoluene	11.40	91	35830	4.792	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	40362	4.398	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.05	75	6825	4.861	ug/l	98
82) 4-Chlorotoluene	11.49	91	41000	4.657	ug/l	100
83) tert-Butylbenzene	11.76	119	34266	4.325	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	40726	4.389	ug/l	100
85) sec-Butylbenzene	11.93	105	36282	3.674	ug/l	99
86) p-Isopropyltoluene	12.05	119	35158	3.792	ug/l	97
87) 1,3-Dichlorobenzene	12.01	146	24722	4.924	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	26044	5.072	ug/l	95
89) n-Butylbenzene	12.37	91	27490	3.573	ug/l	98
90) Hexachloroethane	12.58	117	7012	4.364	ug/l	99
91) 1,2-Dichlorobenzene	12.37	146	24859	5.100	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	4315	4.857	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	15259	4.696	ug/l	98
94) Hexachlorobutadiene	13.76	225	5345	4.045	ug/l	97
95) Naphthalene	13.82	128	49492	4.476	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	14946	4.656	ug/l	97

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

