

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101920\
 Data File : VX018956.D
 Acq On : 19 Oct 2020 16:51
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:51:59 PM

Quant Time: Oct 19 18:18:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 17:59:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	86748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	156336	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	139975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	64487	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	6820	5.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.50%	
35) Dibromofluoromethane	5.46	113	5319	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
50) Toluene-d8	8.70	98	20779	5.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.64%	
62) 4-Bromofluorobenzene	11.12	95	7451	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	3862	3.844	ug/l	99
3) Chloromethane	1.31	50	4649	4.334	ug/l	98
4) Vinyl Chloride	1.39	62	6001	5.375	ug/l	96
5) Bromomethane	1.62	94	6575	10.553	ug/l	95
6) Chloroethane	1.70	64	4478	7.042	ug/l	99
7) Trichlorofluoromethane	1.92	101	10273	6.482	ug/l	99
8) Diethyl Ether	2.17	74	4122	7.393	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	5772	6.690	ug/l	97
10) Methyl Iodide	2.49	142	4327	5.385	ug/l	99
11) Tert butyl alcohol	3.01	59	7682	32.019	ug/l	100
12) 1,1-Dichloroethene	2.36	96	6077	6.750	ug/l	97
13) Acrolein	2.27	56	5178	46.361	ug/l	97
14) Allyl chloride	2.70	41	7494	5.063	ug/l	96
15) Acrylonitrile	3.11	53	12586	24.033	ug/l	99
16) Acetone	2.42	43	13990	30.033	ug/l	98
17) Carbon Disulfide	2.54	76	13670	5.324	ug/l	98
18) Methyl Acetate	2.75	43	5214	4.652	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	15597	5.369	ug/l	98
20) Methylene Chloride	2.83	84	5685	5.358	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	5350	5.596	ug/l	99
22) Diisopropyl ether	3.82	45	13596	4.644	ug/l	93
23) Vinyl Acetate	3.78	43	64585	24.535	ug/l	96
24) 1,1-Dichloroethane	3.67	63	9319	5.430	ug/l	98
25) 2-Butanone	4.64	43	18448	24.217	ug/l	97
26) 2,2-Dichloropropane	4.54	77	8836	6.151	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	6144	5.536	ug/l	97
28) Bromochloromethane	4.98	49	4148	5.081	ug/l #	91
29) Tetrahydrofuran	5.09	42	10864	22.724	ug/l	97
30) Chloroform	5.17	83	10071	5.611	ug/l	93
31) Cyclohexane	5.54	56	7569	5.286	ug/l	91
32) 1,1,1-Trichloroethane	5.45	97	8728	5.299	ug/l	94
36) 1,1-Dichloropropene	5.76	75	7839	5.444	ug/l	99
37) Ethyl Acetate	4.79	43	7488	4.587	ug/l	98
38) Carbon Tetrachloride	5.74	117	7790	4.850	ug/l	92

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101920W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	8177	5.200	ug/l	95
40) Benzene	6.10	78	22221	5.226	ug/l	99
41) Methacrylonitrile	5.01	41	3845	4.312	ug/l	96
42) 1,2-Dichloroethane	6.16	62	7913	4.937	ug/l	99
43) Isopropyl Acetate	6.41	43	12617	4.785	ug/l	97
44) Trichloroethene	7.19	130	5979	5.033	ug/l	94
45) 1,2-Dichloropropane	7.48	63	5500	4.898	ug/l	100
46) Dibromomethane	7.63	93	3778	4.737	ug/l	98
47) Bromodichloromethane	7.87	83	7854	4.945	ug/l	96
48) Methyl methacrylate	7.74	41	5808	4.469	ug/l	93
49) 1,4-Dioxane	7.71	88	2568	105.728	ug/l #	85
51) 4-Methyl-2-Pentanone	8.62	43	36091	22.316	ug/l	97
52) Toluene	8.76	92	14107	5.203	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	8916	5.029	ug/l	95
54) cis-1,3-Dichloropropene	8.42	75	9477	5.057	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	5510	4.825	ug/l	96
56) Ethyl methacrylate	9.16	69	8543	5.024	ug/l	94
57) 1,3-Dichloropropane	9.35	76	9560	5.082	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.29	63	22753	28.898	ug/l	98
59) 2-Hexanone	9.47	43	27060	22.061	ug/l	97
60) Dibromochloromethane	9.57	129	5918	4.448	ug/l	97
61) 1,2-Dibromoethane	9.65	107	5966	4.812	ug/l	100
64) Tetrachloroethene	9.32	164	4850	4.763	ug/l	91
65) Chlorobenzene	10.12	112	15163	5.400	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	5323	4.863	ug/l	97
67) Ethyl Benzene	10.23	91	27131	5.675	ug/l	98
68) m/p-Xylenes	10.34	106	20461	11.415	ug/l	96
69) o-Xylene	10.68	106	9445	5.414	ug/l	91
70) Styrene	10.70	104	16326	5.530	ug/l	99
71) Bromoform	10.84	173	4024	4.330	ug/l #	98
73) Isopropylbenzene	11.00	105	25932	6.093	ug/l	98
74) N-amyl acetate	10.88	43	9992	5.205	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.25	83	8570	5.722	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	8175m	5.767	ug/l	
77) Bromobenzene	11.24	156	5843	5.014	ug/l	88
78) n-propylbenzene	11.34	91	29686	6.134	ug/l	99
79) 2-Chlorotoluene	11.40	91	17333	5.845	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	21732	6.190	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.05	75	3082	5.797	ug/l	94
82) 4-Chlorotoluene	11.49	91	20711	5.865	ug/l	97
83) tert-Butylbenzene	11.76	119	21220	6.087	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	21400	5.967	ug/l	98
85) sec-Butylbenzene	11.93	105	25726	6.472	ug/l	96
86) p-Isopropyltoluene	12.05	119	22430	6.171	ug/l	96
87) 1,3-Dichlorobenzene	12.01	146	11115	5.374	ug/l	95
88) 1,4-Dichlorobenzene	12.08	146	11450	5.496	ug/l	93
89) n-Butylbenzene	12.37	91	21195	6.361	ug/l	98
90) Hexachloroethane	12.58	117	3691	5.296	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	10544	5.397	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.98	75	1913	5.165	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	6912	5.305	ug/l	96
94) Hexachlorobutadiene	13.77	225	3195	6.137	ug/l	95
95) Naphthalene	13.82	128	24573	5.693	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	6964	5.399	ug/l	98

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

