

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011749.D
 Acq On : 22 Aug 2019 09:19
 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
 8/23/2019 1:55:40 PM

Quant Time: Aug 23 01:39:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:19:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	357049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	504581	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	481517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	266474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	21603	6.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.70%	
35) Dibromofluoromethane	5.49	113	18814	5.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.26%	
50) Toluene-d8	8.71	98	57268	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
62) 4-Bromofluorobenzene	11.13	95	26247	5.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	16247	4.675	ug/l	98
3) Chloromethane	1.32	50	17011	4.771	ug/l	95
4) Vinyl Chloride	1.40	62	16442	5.106	ug/l	94
5) Bromomethane	1.63	94	9672	6.476	ug/l	98
6) Chloroethane	1.71	64	9666	6.027	ug/l #	83
7) Trichlorofluoromethane	1.92	101	27183	5.927	ug/l	96
8) Diethyl Ether	2.18	74	9220	5.913	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	16768	5.370	ug/l	98
10) Methyl Iodide	2.50	142	16040	3.706	ug/l	94
11) Tert butyl alcohol	3.04	59	18249	22.990	ug/l #	83
12) 1,1-Dichloroethene	2.36	96	15195	5.052	ug/l	96
13) Acrolein	2.29	56	7770	28.657	ug/l	98
14) Allyl chloride	2.72	41	23545	4.718	ug/l	94
15) Acrylonitrile	3.14	53	45060	24.678	ug/l	99
16) Acetone	2.44	43	43814	26.452	ug/l	97
17) Carbon Disulfide	2.56	76	35643	4.951	ug/l	100
18) Methyl Acetate	2.77	43	21830	4.333	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	48620	4.973	ug/l	98
20) Methylene Chloride	2.85	84	18670	5.378	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	17442	5.434	ug/l	98
22) Diisopropyl ether	3.85	45	47749	4.856	ug/l	96
23) Vinyl Acetate	3.81	43	199433	25.420	ug/l	97
24) 1,1-Dichloroethane	3.69	63	28613	5.091	ug/l	99
25) 2-Butanone	4.67	43	63425	24.899	ug/l	98
26) 2,2-Dichloropropane	4.57	77	23504	5.473	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	19128	5.151	ug/l	95
28) Bromochloromethane	5.01	49	11791	4.756	ug/l	87
29) Tetrahydrofuran	5.12	42	38872	23.228	ug/l	97
30) Chloroform	5.20	83	31544	5.314	ug/l	98
31) Cyclohexane	5.57	56	22633	4.672	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	26549	5.177	ug/l	97
36) 1,1-Dichloropropene	5.79	75	22178	5.224	ug/l	99
37) Ethyl Acetate	4.82	43	24663	5.079	ug/l	99
38) Carbon Tetrachloride	5.78	117	22947	4.890	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	24250	4.582	ug/l	95
40) Benzene	6.13	78	68240	5.182	ug/l	93
41) Methacrylonitrile	5.03	41	12139	4.569	ug/l #	91
42) 1,2-Dichloroethane	6.18	62	24368	5.293	ug/l	98
43) Isopropyl Acetate	6.44	43	34780	4.577	ug/l	99
44) Trichloroethene	7.21	130	20703	5.251	ug/l	92
45) 1,2-Dichloropropane	7.51	63	16394	4.989	ug/l	89
46) Dibromomethane	7.66	93	12746	5.292	ug/l	94
47) Bromodichloromethane	7.90	83	20964	4.757	ug/l	95
48) Methyl methacrylate	7.77	41	17479	4.650	ug/l	95
49) 1,4-Dioxane	7.74	88	9318	92.911	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	120341	24.307	ug/l	99
52) Toluene	8.78	92	41439	4.906	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	20601	4.507	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	24282	4.865	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	17945	5.010	ug/l	97
56) Ethyl methacrylate	9.18	69	24092	4.633	ug/l	93
57) 1,3-Dichloropropane	9.37	76	28981	5.126	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	59202	22.607	ug/l	97
59) 2-Hexanone	9.49	43	94639	24.753	ug/l	95
60) Dibromochloromethane	9.58	129	17836	4.790	ug/l	98
61) 1,2-Dibromoethane	9.67	107	18884	4.932	ug/l	97
64) Tetrachloroethene	9.33	164	20051	5.038	ug/l	97
65) Chlorobenzene	10.13	112	52721	5.215	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	18734	4.942	ug/l	99
67) Ethyl Benzene	10.25	91	87177	5.119	ug/l	99
68) m/p-Xylenes	10.35	106	65680	10.041	ug/l	98
69) o-Xylene	10.69	106	32939	5.137	ug/l	99
70) Styrene	10.71	104	53806	5.011	ug/l	99
71) Bromoform	10.85	173	14486	4.502	ug/l #	99
73) Isopropylbenzene	11.02	105	87625	5.127	ug/l	98
74) N-amyl acetate	10.90	43	31728	4.425	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	28538	4.908	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	24363m	4.906	ug/l	
77) Bromobenzene	11.26	156	26540	5.249	ug/l	97
78) n-propylbenzene	11.36	91	93136	5.055	ug/l	98
79) 2-Chlorotoluene	11.42	91	59859	5.297	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	73527	5.121	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	6581	3.932	ug/l #	81
82) 4-Chlorotoluene	11.51	91	68121	5.190	ug/l	99
83) tert-Butylbenzene	11.77	119	73981	5.078	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	72624	5.045	ug/l	100
85) sec-Butylbenzene	11.94	105	83881	5.122	ug/l	99
86) p-Isopropyltoluene	12.06	119	79808	5.152	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	44706	5.121	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	45751	5.173	ug/l	95
89) n-Butylbenzene	12.38	91	62387	4.892	ug/l	99
90) Hexachloroethane	12.59	117	10546	4.307	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	46082	5.264	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	6086	4.535	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	31926	4.894	ug/l	98
94) Hexachlorobutadiene	13.78	225	18491	5.269	ug/l	99
95) Naphthalene	13.83	128	85170	4.661	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	32893	5.010	ug/l	99

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

