

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005965.D
 Acq On : 13 Nov 2018 22:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 9:51:37 AM

Quant Time: Nov 14 04:52:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	101150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	133144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	126977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	72587	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	63642	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
35) Dibromofluoromethane	5.51	113	48813	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
50) Toluene-d8	8.71	98	173041	57.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.96%	
62) 4-Bromofluorobenzene	11.14	95	66759	61.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	45843	50.267	ug/l	93
3) Chloromethane	1.32	50	54701	45.704	ug/l	99
4) Vinyl Chloride	1.41	62	60511	50.362	ug/l #	87
5) Bromomethane	1.64	94	31134	42.342	ug/l	99
6) Chloroethane	1.71	64	33648	46.934	ug/l	95
7) Trichlorofluoromethane	1.92	101	78767	49.387	ug/l	97
8) Diethyl Ether	2.19	74	30776	49.246	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	44106	48.084	ug/l	100
10) Methyl Iodide	2.51	142	52724	47.426	ug/l	98
11) Tert butyl alcohol	3.08	59	79851	239.709	ug/l	100
12) 1,1-Dichloroethene	2.37	96	40325	45.104	ug/l	90
13) Acrolein	2.29	56	49258	305.515	ug/l	100
14) Allyl chloride	2.72	41	94785	47.469	ug/l	98
15) Acrylonitrile	3.15	53	177891	257.685	ug/l	98
16) Acetone	2.45	43	154938	247.462	ug/l	99
17) Carbon Disulfide	2.57	76	121195	45.446	ug/l	97
18) Methyl Acetate	2.78	43	93769	56.065	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	156607	51.322	ug/l	97
20) Methylene Chloride	2.86	84	49663	48.288	ug/l	85
21) trans-1,2-Dichloroethene	3.17	96	44322	47.001	ug/l	96
22) Diisopropyl ether	3.87	45	172636	49.354	ug/l	89
23) Vinyl Acetate	3.82	43	769763	256.658	ug/l	97
24) 1,1-Dichloroethane	3.70	63	92618	49.629	ug/l	100
25) 2-Butanone	4.70	43	260538	264.682	ug/l	99
26) 2,2-Dichloropropane	4.59	77	61191	44.699	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	50974	48.954	ug/l	97
28) Bromochloromethane	5.02	49	46909	56.243	ug/l	95
29) Tetrahydrofuran	5.15	42	160645	254.177	ug/l	99
30) Chloroform	5.22	83	87262	48.466	ug/l	86
31) Cyclohexane	5.58	56	81241	50.150	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	79937	53.228	ug/l	98
36) 1,1-Dichloropropene	5.80	75	66181	51.561	ug/l	99
37) Ethyl Acetate	4.85	43	88020	52.148	ug/l	99
38) Carbon Tetrachloride	5.77	117	68891	53.613	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	70252	54.002	ug/l	99
40) Benzene	6.15	78	207345	55.413	ug/l	100
41) Methacrylonitrile	5.06	41	49637	54.424	ug/l	99
42) 1,2-Dichloroethane	6.20	62	73614	54.927	ug/l	100
43) Isopropyl Acetate	6.46	43	129413	52.913	ug/l	98
44) Trichloroethene	7.21	130	49919	52.532	ug/l	97
45) 1,2-Dichloropropane	7.52	63	50333	55.420	ug/l	100
46) Dibromomethane	7.66	93	32969	57.850	ug/l	99
47) Bromodichloromethane	7.90	83	64468	59.856	ug/l	98
48) Methyl methacrylate	7.77	41	66450	60.508	ug/l	98
49) 1,4-Dioxane	7.76	88	27931	1180.292	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	453300	294.080	ug/l	100
52) Toluene	8.79	92	119925	57.346	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	68799	54.129	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	75834	58.537	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	48460	51.995	ug/l	97
56) Ethyl methacrylate	9.18	69	74765	53.613	ug/l	97
57) 1,3-Dichloropropane	9.37	76	82206	52.486	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	213441	279.862	ug/l	99
59) 2-Hexanone	9.50	43	363451	267.501	ug/l	99
60) Dibromochloromethane	9.59	129	51345	50.974	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50793	49.285	ug/l	100
64) Tetrachloroethene	9.34	164	53762	49.730	ug/l	98
65) Chlorobenzene	10.14	112	128926	50.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	48365	54.690	ug/l	100
67) Ethyl Benzene	10.25	91	224857	55.126	ug/l	99
68) m/p-Xylenes	10.36	106	173922	111.784	ug/l	98
69) o-Xylene	10.70	106	83925	60.155	ug/l	100
70) Styrene	10.71	104	141006	61.267	ug/l	99
71) Bromoform	10.86	173	42403	57.198	ug/l #	99
73) Isopropylbenzene	11.02	105	230289	54.862	ug/l	100
74) N-amyl acetate	10.90	43	117163	49.752	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	81186	52.694	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	78314m	52.985	ug/l	
77) Bromobenzene	11.26	156	60428	51.074	ug/l	98
78) n-propylbenzene	11.36	91	267536	54.080	ug/l	99
79) 2-Chlorotoluene	11.42	91	159497	53.341	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	198163	55.553	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	23585	50.858	ug/l	97
82) 4-Chlorotoluene	11.51	91	190259	53.989	ug/l	99
83) tert-Butylbenzene	11.77	119	190216	52.710	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	205110	52.108	ug/l	99
85) sec-Butylbenzene	11.94	105	235954	53.468	ug/l	100
86) p-Isopropyltoluene	12.07	119	212859	54.455	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	112108	49.373	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	113987	49.039	ug/l	99
89) n-Butylbenzene	12.39	91	185782	51.281	ug/l	100
90) Hexachloroethane	12.60	117	33431	51.226	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	112792	49.586	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19500	51.865	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	80630	50.353	ug/l	99
94) Hexachlorobutadiene	13.79	225	39285	46.704	ug/l	99
95) Naphthalene	13.83	128	251140	48.136	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	82670	50.675	ug/l	100

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

