

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006484.D
 Acq On : 13 Dec 2018 09:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:02:05 PM

Quant Time: Dec 13 11:52:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	501426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	797072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	736899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	386445	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	291333	56.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.82%	
35) Dibromofluoromethane	5.50	113	270301	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
50) Toluene-d8	8.71	98	993514	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	11.14	95	382236	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	263360	53.641	ug/l	100
3) Chloromethane	1.33	50	276391	54.782	ug/l	99
4) Vinyl Chloride	1.41	62	303966	55.978	ug/l	99
5) Bromomethane	1.64	94	273205	72.599	ug/l	100
6) Chloroethane	1.71	64	189189	56.824	ug/l	97
7) Trichlorofluoromethane	1.93	101	467970	56.143	ug/l	99
8) Diethyl Ether	2.19	74	181866	57.651	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	271396	57.261	ug/l	98
10) Methyl Iodide	2.51	142	450194	63.028	ug/l	98
11) Tert butyl alcohol	3.07	59	363196	259.451	ug/l	100
12) 1,1-Dichloroethene	2.37	96	253875	55.954	ug/l	95
13) Acrolein	2.30	56	155429	203.145	ug/l	100
14) Allyl chloride	2.73	41	424325	47.343	ug/l	98
15) Acrylonitrile	3.15	53	803548	275.077	ug/l	100
16) Acetone	2.45	43	662846	275.933	ug/l	97
17) Carbon Disulfide	2.57	76	679363	48.591	ug/l	99
18) Methyl Acetate	2.78	43	442451	55.076	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	891332	55.068	ug/l	99
20) Methylene Chloride	2.86	84	291118	56.943	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	278794	57.660	ug/l	93
22) Diisopropyl ether	3.87	45	798597	57.045	ug/l	99
23) Vinyl Acetate	3.82	43	3269133	273.787	ug/l	99
24) 1,1-Dichloroethane	3.70	63	471249	58.893	ug/l	99
25) 2-Butanone	4.70	43	973601	284.048	ug/l	97
26) 2,2-Dichloropropane	4.58	77	235433	31.881	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	318439	59.043	ug/l	95
28) Bromochloromethane	5.02	49	190678	54.555	ug/l	98
29) Tetrahydrofuran	5.15	42	669294	280.959	ug/l	97
30) Chloroform	5.21	83	497181	59.126	ug/l	97
31) Cyclohexane	5.57	56	426537	57.680	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	442194	55.269	ug/l	99
36) 1,1-Dichloropropene	5.80	75	363431	54.145	ug/l	100
37) Ethyl Acetate	4.85	43	380058	50.561	ug/l	98
38) Carbon Tetrachloride	5.78	117	388653	49.220	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	470613	54.015	ug/l	98
40) Benzene	6.15	78	1126760	56.048	ug/l	99
41) Methacrylonitrile	5.06	41	210884	50.986	ug/l	97
42) 1,2-Dichloroethane	6.20	62	371535	56.468	ug/l	100
43) Isopropyl Acetate	6.46	43	623019	49.712	ug/l	99
44) Trichloroethene	7.21	130	327795	53.823	ug/l	95
45) 1,2-Dichloropropane	7.52	63	275695	53.959	ug/l	100
46) Dibromomethane	7.66	93	204188	55.334	ug/l	95
47) Bromodichloromethane	7.90	83	356469	49.884	ug/l	100
48) Methyl methacrylate	7.77	41	316009	51.831	ug/l	98
49) 1,4-Dioxane	7.75	88	161798	1076.726	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1939644	265.859	ug/l	98
52) Toluene	8.79	92	744691	56.305	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	372614	44.586	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	408429	47.065	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	303117	56.413	ug/l	99
56) Ethyl methacrylate	9.18	69	458359	54.567	ug/l	97
57) 1,3-Dichloropropane	9.37	76	479662	56.454	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1030769	241.818	ug/l	99
59) 2-Hexanone	9.49	43	1454863	261.009	ug/l	99
60) Dibromochloromethane	9.58	129	324684	49.004	ug/l	99
61) 1,2-Dibromoethane	9.67	107	335193	55.791	ug/l	100
64) Tetrachloroethene	9.34	164	314082	56.596	ug/l	97
65) Chlorobenzene	10.14	112	867596	55.463	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	308709	50.793	ug/l	99
67) Ethyl Benzene	10.25	91	1420283	54.591	ug/l	99
68) m/p-Xylenes	10.36	106	1149301	110.280	ug/l	99
69) o-Xylene	10.70	106	567784	55.156	ug/l	100
70) Styrene	10.71	104	917154	55.087	ug/l	99
71) Bromoform	10.86	173	244165	42.557	ug/l	99
73) Isopropylbenzene	11.02	105	1488604	55.779	ug/l	100
74) N-amyl acetate	10.90	43	564210	49.095	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	450673	52.785	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	409243m	54.866	ug/l	
77) Bromobenzene	11.26	156	404276	54.586	ug/l	98
78) n-propylbenzene	11.36	91	1640973	55.316	ug/l	99
79) 2-Chlorotoluene	11.42	91	979225	55.537	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1234620	55.602	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	114636	36.066	ug/l	88
82) 4-Chlorotoluene	11.51	91	1123532	54.806	ug/l	99
83) tert-Butylbenzene	11.77	119	1271581	53.672	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1258615	54.893	ug/l	99
85) sec-Butylbenzene	11.94	105	1491281	55.330	ug/l	99
86) p-Isopropyltoluene	12.07	119	1342660	55.322	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	722397	54.817	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	728994	54.501	ug/l	100
89) n-Butylbenzene	12.39	91	1118331	54.005	ug/l	100
90) Hexachloroethane	12.60	117	229147	46.326	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	710902	54.354	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	99462	45.445	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	496140	51.996	ug/l	99
94) Hexachlorobutadiene	13.78	225	218645	51.813	ug/l	99
95) Naphthalene	13.83	128	1620614	54.600	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	505545	53.491	ug/l	98

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

