

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006037.D
 Acq On : 16 Nov 2018 08:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:23:04 PM

Quant Time: Nov 17 01:09:19 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	134462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	186653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	170039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115161	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	74424	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	5.49	113	63557	50.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	8.71	98	214332	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	11.13	95	92867	61.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	54111	44.634	ug/l	94
3) Chloromethane	1.33	50	68289	42.921	ug/l	93
4) Vinyl Chloride	1.41	62	71432	44.722	ug/l	96
5) Bromomethane	1.64	94	48590	49.711	ug/l	100
6) Chloroethane	1.72	64	44120	46.295	ug/l	96
7) Trichlorofluoromethane	1.93	101	96869	45.690	ug/l	99
8) Diethyl Ether	2.19	74	41882	50.414	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	60782	49.847	ug/l	98
10) Methyl Iodide	2.51	142	77473	52.423	ug/l	97
11) Tert butyl alcohol	3.06	59	91440	206.494	ug/l	99
12) 1,1-Dichloroethene	2.38	96	54261	45.655	ug/l	95
13) Acrolein	2.29	56	49008	233.480	ug/l	100
14) Allyl chloride	2.73	41	125791	47.390	ug/l	98
15) Acrylonitrile	3.15	53	225314	245.521	ug/l	97
16) Acetone	2.44	43	187681	225.495	ug/l	99
17) Carbon Disulfide	2.57	76	149013	42.034	ug/l	98
18) Methyl Acetate	2.78	43	110611	49.578	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	214552	52.892	ug/l	93
20) Methylene Chloride	2.86	84	65850	48.164	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	61470	49.036	ug/l	98
22) Diisopropyl ether	3.87	45	242926	52.243	ug/l #	96
23) Vinyl Acetate	3.82	43	1001602	251.223	ug/l	100
24) 1,1-Dichloroethane	3.70	63	119466	48.156	ug/l	99
25) 2-Butanone	4.70	43	309252	236.338	ug/l	98
26) 2,2-Dichloropropane	4.59	77	95904	52.700	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	69256	50.034	ug/l	97
28) Bromochloromethane	5.01	49	60180	54.279	ug/l	97
29) Tetrahydrofuran	5.15	42	192807	229.487	ug/l	97
30) Chloroform	5.21	83	119867	50.082	ug/l	89
31) Cyclohexane	5.57	56	103798	48.200	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	95812	47.993	ug/l	99
36) 1,1-Dichloropropene	5.80	75	86119	47.860	ug/l	99
37) Ethyl Acetate	4.85	43	115240	48.702	ug/l	99
38) Carbon Tetrachloride	5.77	117	86194	47.849	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	92195	50.553	ug/l	96
40) Benzene	6.14	78	254374	48.493	ug/l	100
41) Methacrylonitrile	5.05	41	61925	48.433	ug/l	98
42) 1,2-Dichloroethane	6.20	62	87369	46.501	ug/l	98
43) Isopropyl Acetate	6.46	43	162255	47.323	ug/l	96
44) Trichloroethene	7.21	130	65865	49.443	ug/l	92
45) 1,2-Dichloropropane	7.51	63	69205	54.355	ug/l	92
46) Dibromomethane	7.66	93	42172	52.785	ug/l	99
47) Bromodichloromethane	7.90	83	79003	52.323	ug/l #	98
48) Methyl methacrylate	7.77	41	81059	52.651	ug/l	97
49) 1,4-Dioxane	7.75	88	30434	917.379	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	529478	245.028	ug/l	98
52) Toluene	8.79	92	144547	49.305	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	90551	50.819	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	104827	57.720	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	61386	46.982	ug/l	99
56) Ethyl methacrylate	9.18	69	97362	49.802	ug/l	98
57) 1,3-Dichloropropane	9.37	76	114227	52.023	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	277983	260.586	ug/l	100
59) 2-Hexanone	9.49	43	485737	255.016	ug/l	100
60) Dibromochloromethane	9.59	129	73310	51.916	ug/l	100
61) 1,2-Dibromoethane	9.67	107	74930	51.862	ug/l	100
64) Tetrachloroethene	9.34	164	66611	46.011	ug/l	95
65) Chlorobenzene	10.14	112	195425	57.370	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	67367	56.885	ug/l	97
67) Ethyl Benzene	10.25	91	306302	56.076	ug/l	97
68) m/p-Xylenes	10.36	106	225880	108.412	ug/l	91
69) o-Xylene	10.70	106	110689	59.246	ug/l	97
70) Styrene	10.71	104	184540	59.877	ug/l	99
71) Bromoform	10.86	173	56022	56.431	ug/l #	100
73) Isopropylbenzene	11.02	105	328494	49.326	ug/l	100
74) N-amyl acetate	10.90	43	160729	43.189	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	118106	48.317	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	113860m	48.556	ug/l	
77) Bromobenzene	11.26	156	85663	45.636	ug/l	99
78) n-propylbenzene	11.36	91	404103	51.487	ug/l	99
79) 2-Chlorotoluene	11.42	91	222142	46.826	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	274938	48.582	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	34466	46.845	ug/l	93
82) 4-Chlorotoluene	11.51	91	283050	50.627	ug/l	100
83) tert-Butylbenzene	11.77	119	307383	53.688	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	324052	51.890	ug/l	100
85) sec-Butylbenzene	11.94	105	391398	55.904	ug/l	99
86) p-Isopropyltoluene	12.07	119	354790	57.210	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	189656	52.647	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	184603	50.058	ug/l	98
89) n-Butylbenzene	12.39	91	320797	55.813	ug/l	99
90) Hexachloroethane	12.60	117	52877	51.070	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	189097	52.399	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29542	49.526	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	145462	57.257	ug/l	99
94) Hexachlorobutadiene	13.79	225	75323	56.443	ug/l	99
95) Naphthalene	13.83	128	430694	51.937	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	144501	55.831	ug/l	99

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

