

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083019\
 Data File : VX011901.D
 Acq On : 30 Aug 2019 10:17
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 9/3/2019 2:12:06 PM

Quant Time: Aug 30 10:50:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	395593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	519492	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	472805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	275066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	158300	41.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.54%	
35) Dibromofluoromethane	5.48	113	157172	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
50) Toluene-d8	8.71	98	587905	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.13	95	234389	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	130064	54.475	ug/l 100
3) Chloromethane	1.31	50	137915	49.828	ug/l 99
4) Vinyl Chloride	1.40	62	139643	52.836	ug/l 100
5) Bromomethane	1.62	94	95283	52.104	ug/l 99
6) Chloroethane	1.72	64	88097	53.558	ug/l 100
7) Trichlorofluoromethane	1.92	101	254964	55.547	ug/l 97
8) Diethyl Ether	2.17	74	72461	45.935	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	159316	53.255	ug/l 98
10) Methyl Iodide	2.50	142	167611	51.221	ug/l 99
11) Tert butyl alcohol	3.02	59	71152	195.129	ug/l 99
12) 1,1-Dichloroethene	2.36	96	139701	50.281	ug/l 100
13) Acrolein	2.28	56	36338	200.221	ug/l 97
14) Allyl chloride	2.72	41	265931	51.024	ug/l 99
15) Acrylonitrile	3.12	53	189940	219.211	ug/l 99
16) Acetone	2.43	43	241712	296.403	ug/l 100
17) Carbon Disulfide	2.56	76	426987	53.578	ug/l 100
18) Methyl Acetate	2.76	43	91546m	40.554	ug/l
19) Methyl tert-butyl Ether	3.18	73	410376	45.592	ug/l 100
20) Methylene Chloride	2.84	84	166096	47.487	ug/l 96
21) trans-1,2-Dichloroethene	3.15	96	171096	52.277	ug/l 98
22) Diisopropyl ether	3.84	45	508979	47.836	ug/l 98
23) Vinyl Acetate	3.80	43	1617405	236.436	ug/l 99
24) 1,1-Dichloroethane	3.68	63	295479	50.359	ug/l 100
25) 2-Butanone	4.65	43	290661	244.721	ug/l 97
26) 2,2-Dichloropropane	4.57	77	292967	59.532	ug/l 98
27) cis-1,2-Dichloroethene	4.58	96	195381	50.681	ug/l 98
28) Bromochloromethane	5.00	49	118479	45.001	ug/l 99
29) Tetrahydrofuran	5.11	42	158146	213.326	ug/l 99
30) Chloroform	5.19	83	311298	49.620	ug/l 95
31) Cyclohexane	5.56	56	252515	53.357	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	296657	53.233	ug/l 100
36) 1,1-Dichloropropene	5.78	75	237876	57.798	ug/l 99
37) Ethyl Acetate	4.81	43	113149	46.445	ug/l 99
38) Carbon Tetrachloride	5.77	117	280229	58.709	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	276938	56.493	ug/l	97
40) Benzene	6.13	78	663080	53.975	ug/l	100
41) Methacrylonitrile	5.03	41	68601	47.825	ug/l	98
42) 1,2-Dichloroethane	6.18	62	210021	50.271	ug/l	100
43) Isopropyl Acetate	6.43	43	230024	46.570	ug/l	99
44) Trichloroethene	7.20	130	212447	55.892	ug/l	98
45) 1,2-Dichloropropane	7.50	63	164936	51.327	ug/l	98
46) Dibromomethane	7.65	93	93571	49.064	ug/l	99
47) Bromodichloromethane	7.89	83	243764	51.546	ug/l	99
48) Methyl methacrylate	7.76	41	113589	47.265	ug/l	100
49) 1,4-Dioxane	7.73	88	28492	862.140	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	571711	227.846	ug/l	99
52) Toluene	8.78	92	440366	54.183	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	251134	51.843	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	286102	52.614	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	135186	48.420	ug/l	99
56) Ethyl methacrylate	9.17	69	187689	48.437	ug/l	99
57) 1,3-Dichloropropane	9.37	76	230110	49.657	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	420372	227.772	ug/l	99
59) 2-Hexanone	9.48	43	441307	247.595	ug/l	99
60) Dibromochloromethane	9.57	129	192138	51.239	ug/l	99
61) 1,2-Dibromoethane	9.67	107	135696	49.022	ug/l	99
64) Tetrachloroethene	9.33	164	209533	55.094	ug/l	98
65) Chlorobenzene	10.14	112	501748	54.762	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	200659	54.157	ug/l	99
67) Ethyl Benzene	10.25	91	880325	56.485	ug/l	99
68) m/p-Xylenes	10.35	106	686708	114.110	ug/l	99
69) o-Xylene	10.70	106	326452	55.668	ug/l	99
70) Styrene	10.71	104	568540	55.004	ug/l	99
71) Bromoform	10.85	173	135672	51.786	ug/l	99
73) Isopropylbenzene	11.01	105	912484	57.735	ug/l	100
74) N-amyl acetate	10.89	43	226175	48.222	ug/l	# 92
75) 1,1,2,2-Tetrachloroethane	11.26	83	158743	49.077	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	140518m	51.931	ug/l	
77) Bromobenzene	11.25	156	248320	54.174	ug/l	98
78) n-propylbenzene	11.35	91	1042391	58.163	ug/l	99
79) 2-Chlorotoluene	11.42	91	604291	56.017	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	777650	57.005	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	54992	51.056	ug/l	99
82) 4-Chlorotoluene	11.51	91	721495	55.439	ug/l	100
83) tert-Butylbenzene	11.76	119	812196	58.675	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	782005	55.935	ug/l	100
85) sec-Butylbenzene	11.94	105	939271	58.419	ug/l	99
86) p-Isopropyltoluene	12.06	119	905241	58.064	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	472958	55.518	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	470478	54.630	ug/l	100
89) n-Butylbenzene	12.38	91	805721	58.415	ug/l	100
90) Hexachloroethane	12.59	117	171979	57.020	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	419698	52.990	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	31309	48.593	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	368348	55.233	ug/l	100
94) Hexachlorobutadiene	13.77	225	257347	57.782	ug/l	99
95) Naphthalene	13.83	128	579009	50.588	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	325615	53.993	ug/l	99

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

