

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011946.D
 Acq On : 31 Aug 2019 13:04
 Operator : SY/SP
 Sample : VX0831SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:25 PM

Quant Time: Sep 01 02:26:38 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	342012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	466825	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	438035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	263797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	164689	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	5.48	113	154937	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	8.71	98	562420	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	11.14	95	236036	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	46938	22.739	ug/l	99
3) Chloromethane	1.31	50	47560	19.875	ug/l	100
4) Vinyl Chloride	1.40	62	45977	20.121	ug/l	100
5) Bromomethane	1.62	94	31853	20.147	ug/l	99
6) Chloroethane	1.70	64	28503	20.043	ug/l	98
7) Trichlorofluoromethane	1.91	101	83837	21.126	ug/l	98
8) Diethyl Ether	2.17	74	26291	19.278	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	53797	20.800	ug/l	99
10) Methyl Iodide	2.50	142	43711	18.018	ug/l	100
11) Tert butyl alcohol	3.03	59	32517	103.146	ug/l	100
12) 1,1-Dichloroethene	2.36	96	48685	20.268	ug/l	97
13) Acrolein	2.28	56	15085	96.140	ug/l	97
14) Allyl chloride	2.72	41	87603	19.441	ug/l	99
15) Acrylonitrile	3.13	53	73967	98.739	ug/l	100
16) Acetone	2.43	43	65897	93.467	ug/l	97
17) Carbon Disulfide	2.55	76	125596	18.229	ug/l	99
18) Methyl Acetate	2.76	43	36588	18.747	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	158225	20.332	ug/l	99
20) Methylene Chloride	2.84	84	61316	17.156	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	56448	19.949	ug/l	98
22) Diisopropyl ether	3.84	45	183462	19.944	ug/l	94
23) Vinyl Acetate	3.80	43	578313	97.783	ug/l	98
24) 1,1-Dichloroethane	3.68	63	102543	20.215	ug/l	99
25) 2-Butanone	4.66	43	99703	97.096	ug/l	98
26) 2,2-Dichloropropane	4.57	77	88659	20.838	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	69317	20.797	ug/l	98
28) Bromochloromethane	5.00	49	43764	19.227	ug/l	98
29) Tetrahydrofuran	5.12	42	63007	98.306	ug/l	98
30) Chloroform	5.19	83	110700	20.410	ug/l	99
31) Cyclohexane	5.56	56	81809	19.994	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	100909	20.944	ug/l	100
36) 1,1-Dichloropropene	5.78	75	75477	20.408	ug/l	99
37) Ethyl Acetate	4.82	43	44778	20.454	ug/l	98
38) Carbon Tetrachloride	5.77	117	91459	21.323	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	91179	20.698	ug/l	98
40) Benzene	6.13	78	226263	20.496	ug/l	98
41) Methacrylonitrile	5.03	41	25187	19.540	ug/l	95
42) 1,2-Dichloroethane	6.18	62	78728	20.971	ug/l	100
43) Isopropyl Acetate	6.43	43	88329	19.901	ug/l	99
44) Trichloroethene	7.20	130	70922	20.764	ug/l	97
45) 1,2-Dichloropropane	7.50	63	58755	20.347	ug/l	100
46) Dibromomethane	7.65	93	34829	20.323	ug/l	98
47) Bromodichloromethane	7.89	83	88232	20.762	ug/l	98
48) Methyl methacrylate	7.76	41	42385	19.626	ug/l	98
49) 1,4-Dioxane	7.73	88	12555	422.762	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	227223	100.773	ug/l	99
52) Toluene	8.78	92	151733	20.776	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	88274	20.279	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	98168	20.090	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	51110	20.371	ug/l	99
56) Ethyl methacrylate	9.17	69	69384	19.926	ug/l	98
57) 1,3-Dichloropropane	9.37	76	85139	20.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	160628	96.853	ug/l	97
59) 2-Hexanone	9.48	43	159945	99.861	ug/l	99
60) Dibromochloromethane	9.57	129	70296	20.861	ug/l	98
61) 1,2-Dibromoethane	9.67	107	51341	20.640	ug/l	100
64) Tetrachloroethene	9.33	164	75233	21.352	ug/l	99
65) Chlorobenzene	10.14	112	179209	21.112	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	72334	21.072	ug/l	99
67) Ethyl Benzene	10.25	91	304471	21.087	ug/l	99
68) m/p-Xylenes	10.35	106	235807	42.294	ug/l	100
69) o-Xylene	10.70	106	115828	21.319	ug/l	99
70) Styrene	10.71	104	201795	21.072	ug/l	99
71) Bromoform	10.85	173	49779	20.509	ug/l #	99
73) Isopropylbenzene	11.01	105	312775	20.635	ug/l	100
74) N-amyl acetate	10.89	43	88038	19.572	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	62210	20.055	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	53880m	20.763	ug/l	
77) Bromobenzene	11.25	156	89945	20.461	ug/l	99
78) n-propylbenzene	11.35	91	354775	20.641	ug/l	99
79) 2-Chlorotoluene	11.42	91	213434	20.630	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	271505	20.753	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19473	18.852	ug/l	98
82) 4-Chlorotoluene	11.51	91	257026	20.593	ug/l	100
83) tert-Butylbenzene	11.76	119	278891	21.008	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	273855	20.425	ug/l	100
85) sec-Butylbenzene	11.94	105	322220	20.897	ug/l	100
86) p-Isopropyltoluene	12.06	119	310473	20.765	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	169552	20.753	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	172276	20.859	ug/l	99
89) n-Butylbenzene	12.39	91	271798	20.547	ug/l	99
90) Hexachloroethane	12.59	117	58268	20.144	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	158710	20.894	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	12646	20.466	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	131568	20.571	ug/l	99
94) Hexachlorobutadiene	13.78	225	88065	20.618	ug/l	99
95) Naphthalene	13.83	128	222074	20.231	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	119010	20.577	ug/l	99

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

