

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011962.D
 Acq On : 31 Aug 2019 20:31
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:35 PM

Quant Time: Sep 01 03:45:04 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	313087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	446971	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	429053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	256336	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	152166	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	5.48	113	147627	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	8.71	98	509950	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.13	95	216196	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	81238	42.992	ug/l	100
3) Chloromethane	1.31	50	96880	44.226	ug/l	98
4) Vinyl Chloride	1.40	62	93619	44.756	ug/l	98
5) Bromomethane	1.62	94	74785	51.671	ug/l	99
6) Chloroethane	1.71	64	64689	49.691	ug/l	99
7) Trichlorofluoromethane	1.92	101	169472	46.651	ug/l	99
8) Diethyl Ether	2.17	74	62475	50.042	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	111540	47.110	ug/l	99
10) Methyl Iodide	2.50	142	98302	38.909	ug/l	100
11) Tert butyl alcohol	3.03	59	73769	255.619	ug/l	100
12) 1,1-Dichloroethene	2.36	96	105288	47.881	ug/l	100
13) Acrolein	2.28	56	32867	228.820	ug/l	97
14) Allyl chloride	2.72	41	200546	48.618	ug/l	98
15) Acrylonitrile	3.12	53	179130	261.214	ug/l	100
16) Acetone	2.43	43	158886	246.180	ug/l	99
17) Carbon Disulfide	2.56	76	278389	44.137	ug/l	100
18) Methyl Acetate	2.76	43	103061	57.686	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	374580	52.581	ug/l	100
20) Methylene Chloride	2.84	84	141827	51.664	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	130270	50.292	ug/l	100
22) Diisopropyl ether	3.84	45	430088	51.074	ug/l	95
23) Vinyl Acetate	3.80	43	1340460	247.590	ug/l	99
24) 1,1-Dichloroethane	3.69	63	239761	51.631	ug/l	99
25) 2-Butanone	4.65	43	242761	258.254	ug/l	98
26) 2,2-Dichloropropane	4.57	77	190251	48.847	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	161617	52.970	ug/l	98
28) Bromochloromethane	5.00	49	111354	53.440	ug/l	96
29) Tetrahydrofuran	5.11	42	152118	259.268	ug/l	99
30) Chloroform	5.20	83	262968	52.962	ug/l	95
31) Cyclohexane	5.57	56	160418	42.829	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	226142	51.273	ug/l	100
36) 1,1-Dichloropropene	5.79	75	166451	47.006	ug/l	99
37) Ethyl Acetate	4.82	43	103388	49.324	ug/l	100
38) Carbon Tetrachloride	5.77	117	202203	49.235	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	181520	43.036	ug/l	97
40) Benzene	6.13	78	528845	50.033	ug/l	99
41) Methacrylonitrile	5.02	41	63829	51.718	ug/l	99
42) 1,2-Dichloroethane	6.18	62	190661	53.042	ug/l	100
43) Isopropyl Acetate	6.43	43	213256	50.181	ug/l	99
44) Trichloroethene	7.20	130	164021	50.153	ug/l	97
45) 1,2-Dichloropropane	7.50	63	139874	50.590	ug/l	100
46) Dibromomethane	7.65	93	85658	52.203	ug/l	99
47) Bromodichloromethane	7.89	83	214601	52.742	ug/l	100
48) Methyl methacrylate	7.76	41	106316	51.416	ug/l	99
49) 1,4-Dioxane	7.73	88	30273	1064.657	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	550468	254.975	ug/l	99
52) Toluene	8.78	92	355836	50.886	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	213800	51.297	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	237117	50.680	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	125495	52.242	ug/l	99
56) Ethyl methacrylate	9.17	69	169139	50.732	ug/l	99
57) 1,3-Dichloropropane	9.37	76	205872	51.634	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	407893	256.869	ug/l	99
59) 2-Hexanone	9.48	43	388312	253.210	ug/l	99
60) Dibromochloromethane	9.57	129	173180	53.677	ug/l	100
61) 1,2-Dibromoethane	9.67	107	126274	53.019	ug/l	100
64) Tetrachloroethene	9.33	164	177061	51.303	ug/l	99
65) Chlorobenzene	10.14	112	423656	50.954	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	177766	52.871	ug/l	99
67) Ethyl Benzene	10.25	91	709275	50.150	ug/l	99
68) m/p-Xylenes	10.35	106	555001	101.629	ug/l	98
69) o-Xylene	10.70	106	271785	51.072	ug/l	100
70) Styrene	10.71	104	485745	51.786	ug/l	100
71) Bromoform	10.85	173	125308	52.707	ug/l #	98
73) Isopropylbenzene	11.01	105	724322	49.178	ug/l	100
74) N-amyl acetate	10.89	43	204507	46.788	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	148735	49.343	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	111524m	44.228	ug/l	
77) Bromobenzene	11.25	156	219578	51.404	ug/l	97
78) n-propylbenzene	11.35	91	818141	48.986	ug/l	100
79) 2-Chlorotoluene	11.42	91	501608	49.896	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	636153	50.040	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	46274	46.101	ug/l	99
82) 4-Chlorotoluene	11.51	91	601280	49.578	ug/l	99
83) tert-Butylbenzene	11.76	119	650025	50.391	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	648786	49.797	ug/l	100
85) sec-Butylbenzene	11.94	105	735281	49.073	ug/l	99
86) p-Isopropyltoluene	12.06	119	720254	49.574	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	404295	50.926	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	404082	50.349	ug/l	100
89) n-Butylbenzene	12.39	91	619160	48.169	ug/l	99
90) Hexachloroethane	12.59	117	139268	49.548	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	379874	51.467	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	29927	49.842	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	312082	50.215	ug/l	100
94) Hexachlorobutadiene	13.78	225	206018	49.637	ug/l	100
95) Naphthalene	13.83	128	536137	50.265	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	284713	50.660	ug/l	99

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

