

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061413.D
 Acq On : 16 Jan 2019 15:35
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 1:23:40 PM

Quant Time: Jan 17 03:04:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	214450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	368503	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	341324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	161431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	122446	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
35) Dibromofluoromethane	4.10	113	145654	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	7.55	98	434539	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
62) 4-Bromofluorobenzene	11.40	95	180089	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	199975	47.459	ug/l	93
3) Chloromethane	1.10	50	153632	49.726	ug/l	94
4) Vinyl Chloride	1.13	62	138227	50.295	ug/l	96
5) Bromomethane	1.31	94	92474	51.599	ug/l	98
6) Chloroethane	1.39	64	60834	49.954	ug/l	97
7) Trichlorofluoromethane	1.46	101	227383	42.558	ug/l	98
8) Diethyl Ether	1.63	74	33691	49.212	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	124199	48.378	ug/l	94
10) Methyl Iodide	1.89	142	206554m	51.898	ug/l	
11) Tert butyl alcohol	2.56	59	27640	246.630	ug/l	95
12) 1,1-Dichloroethene	1.79	96	99734	52.290	ug/l	90
13) Acrolein	1.99	56	26379	272.307	ug/l	99
14) Allyl chloride	2.09	41	160086	73.360	ug/l	93
15) Acrylonitrile	2.94	53	71392	248.693	ug/l	95
16) Acetone	2.23	43	143636	270.424	ug/l	98
17) Carbon Disulfide	1.81	76	313968	52.793	ug/l	97
18) Methyl Acetate	2.34	43	52051	49.414	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	192070	44.922	ug/l	98
20) Methylene Chloride	2.18	84	94255m	52.359	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	98247	46.818	ug/l	95
22) Diisopropyl ether	2.79	45	337458	49.718	ug/l	99
23) Vinyl Acetate	3.18	43	843311	282.058	ug/l	99
24) 1,1-Dichloroethane	2.86	63	204895	48.098	ug/l	100
25) 2-Butanone	4.32	43	231919	262.565	ug/l	97
26) 2,2-Dichloropropane	3.59	77	113107	43.215	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	152169	49.123	ug/l	93
28) Bromochloromethane	3.71	49	88811	46.379	ug/l #	93
29) Tetrahydrofuran	4.06	42	96956	254.922	ug/l	96
30) Chloroform	3.85	83	271460	47.217	ug/l	98
31) Cyclohexane	3.69	56	210296m	49.419	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	198797	47.159	ug/l	98
36) 1,1-Dichloropropene	4.27	75	216028	50.561	ug/l	98
37) Ethyl Acetate	4.09	43	87150	51.028	ug/l	100
38) Carbon Tetrachloride	3.98	117	170113	45.542	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	232064	50.119	ug/l	98
40) Benzene	4.63	78	485957	51.114	ug/l	99
41) Methacrylonitrile	4.73	41	48658	53.542	ug/l	94
42) 1,2-Dichloroethane	4.93	62	161912	47.792	ug/l	99
43) Isopropyl Acetate	6.95	43	114674	53.498	ug/l	93
44) Trichloroethene	5.49	130	140948	48.328	ug/l	96
45) 1,2-Dichloropropane	6.22	63	127190	50.973	ug/l	98
46) Dibromomethane	6.08	93	82629	49.802	ug/l	94
47) Bromodichloromethane	6.37	83	206444	50.290	ug/l	98
48) Methyl methacrylate	6.71	41	80504	55.929	ug/l	91
49) 1,4-Dioxane	6.70	88	11250	1128.605	ug/l	90
51) 4-Methyl-2-Pentanone	8.25	43	397438	252.208	ug/l	97
52) Toluene	7.62	92	317441	50.702	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	167603	51.417	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	208612	51.199	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	95610	53.777	ug/l	97
56) Ethyl methacrylate	8.61	69	106676	51.572	ug/l	99
57) 1,3-Dichloropropane	8.85	76	165308	49.605	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	59836	273.016	ug/l	100
59) 2-Hexanone	9.48	43	298605	271.740	ug/l	100
60) Dibromochloromethane	8.71	129	129989	50.011	ug/l	99
61) 1,2-Dibromoethane	8.98	107	100965	49.606	ug/l	92
64) Tetrachloroethene	8.15	164	127396	49.632	ug/l	95
65) Chlorobenzene	9.79	112	349712	50.383	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	132886	48.059	ug/l	100
67) Ethyl Benzene	9.89	91	620038	48.893	ug/l	98
68) m/p-Xylenes	10.12	106	442787	97.077	ug/l	99
69) o-Xylene	10.70	106	255293	51.642	ug/l	92
70) Styrene	10.78	104	326281	48.218	ug/l	98
71) Bromoform	10.76	173	65571	52.779	ug/l #	97
73) Isopropylbenzene	11.12	105	679576	51.760	ug/l	99
74) N-amyl acetate	11.36	43	177202	57.076	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	119074	50.908	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	84125	50.055	ug/l	99
77) Bromobenzene	11.49	156	149346	53.861	ug/l	99
78) n-propylbenzene	11.59	91	771393	48.001	ug/l	97
79) 2-Chlorotoluene	11.71	91	446928	49.061	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	550404	51.946	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	42268m	57.854	ug/l	
82) 4-Chlorotoluene	11.90	91	463787	50.452	ug/l	95
83) tert-Butylbenzene	12.12	119	569405	51.921	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	544884	49.925	ug/l	99
85) sec-Butylbenzene	12.30	105	778946	52.302	ug/l	100
86) p-Isopropyltoluene	12.46	119	617916	50.542	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	266940	48.243	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	268196	51.185	ug/l	99
89) n-Butylbenzene	12.83	91	641834	50.905	ug/l	97
90) Hexachloroethane	12.91	117	153483	53.257	ug/l	98
91) 1,2-Dichlorobenzene	12.93	146	255105	49.181	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	22346	53.864	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	186439	51.309	ug/l	99
94) Hexachlorobutadiene	14.19	225	120263	53.337	ug/l	98
95) Naphthalene	14.45	128	367488	53.231	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	174923	52.003	ug/l	97

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

