

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021819\
 Data File : VF061670.D
 Acq On : 18 Feb 2019 10:54
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 12:29:08 PM

Quant Time: Feb 19 02:37:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	331172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	485664	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	429307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	240847	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	122789	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
35) Dibromofluoromethane	4.12	113	176780	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
50) Toluene-d8	7.56	98	529220	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.42	95	212998	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	190128	49.992	ug/l	99
3) Chloromethane	1.09	50	195987	49.115	ug/l	97
4) Vinyl Chloride	1.13	62	190798	51.434	ug/l	96
5) Bromomethane	1.34	94	131542	51.523	ug/l	98
6) Chloroethane	1.38	64	87458	47.841	ug/l	96
7) Trichlorofluoromethane	1.48	101	230955	51.620	ug/l	99
8) Diethyl Ether	1.63	74	51092	45.313	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.82	101	164231	50.882	ug/l	95
10) Methyl Iodide	1.89	142	306332m	49.684	ug/l	
11) Tert butyl alcohol	2.57	59	32859	233.792	ug/l	97
12) 1,1-Dichloroethene	1.79	96	139690	49.224	ug/l	94
13) Acrolein	2.01	56	55613	314.831	ug/l	94
14) Allyl chloride	2.10	41	211927	60.858	ug/l	97
15) Acrylonitrile	2.95	53	101352	203.302	ug/l	96
16) Acetone	2.24	43	145716	279.656	ug/l	97
17) Carbon Disulfide	1.83	76	450070	50.455	ug/l	99
18) Methyl Acetate	2.34	43	52520	44.743	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	244686	50.451	ug/l	97
20) Methylene Chloride	2.19	84	132722m	47.404	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	140238	45.459	ug/l	98
22) Diisopropyl ether	2.81	45	416211	49.792	ug/l	98
23) Vinyl Acetate	3.19	43	935968	229.247	ug/l	99
24) 1,1-Dichloroethane	2.88	63	245423	48.516	ug/l	98
25) 2-Butanone	4.34	43	283939	249.475	ug/l	97
26) 2,2-Dichloropropane	3.61	77	122129	56.997	ug/l	94
27) cis-1,2-Dichloroethene	3.48	96	186755	46.122	ug/l	99
28) Bromochloromethane	3.73	49	116718	48.088	ug/l	99
29) Tetrahydrofuran	4.08	42	118640	229.346	ug/l	97
30) Chloroform	3.86	83	280702	48.794	ug/l	97
31) Cyclohexane	3.71	56	270376	49.373	ug/l	100
32) 1,1,1-Trichloroethane	4.10	97	200149	53.112	ug/l	99
36) 1,1-Dichloropropene	4.29	75	229094	47.618	ug/l	95
37) Ethyl Acetate	4.11	43	102777	45.993	ug/l #	64
38) Carbon Tetrachloride	3.99	117	189723	57.109	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	285376	50.155	ug/l	98
40) Benzene	4.64	78	649463	51.609	ug/l	100
41) Methacrylonitrile	4.75	41	53316	46.654	ug/l	96
42) 1,2-Dichloroethane	4.95	62	151069	50.186	ug/l	95
43) Isopropyl Acetate	6.97	43	124571	47.095	ug/l #	94
44) Trichloroethene	5.51	130	204921	50.356	ug/l	96
45) 1,2-Dichloropropane	6.24	63	152182	50.030	ug/l	99
46) Dibromomethane	6.09	93	95119	50.788	ug/l	97
47) Bromodichloromethane	6.39	83	206876	50.441	ug/l	99
48) Methyl methacrylate	6.72	41	79991	50.252	ug/l	94
49) 1,4-Dioxane	6.71	88	14125	943.950	ug/l #	80
51) 4-Methyl-2-Pentanone	8.26	43	434213	229.740	ug/l	95
52) Toluene	7.63	92	371423	48.666	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	167317	49.017	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	243488	53.553	ug/l	99
55) 1,1,2-Trichloroethane	8.50	97	110585	49.316	ug/l	96
56) Ethyl methacrylate	8.63	69	122565	49.093	ug/l	97
57) 1,3-Dichloropropane	8.86	76	180051	48.105	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	93155	216.262	ug/l	98
59) 2-Hexanone	9.49	43	339330	256.127	ug/l	97
60) Dibromochloromethane	8.72	129	156085	50.009	ug/l	99
61) 1,2-Dibromoethane	8.99	107	123907	50.945	ug/l	94
64) Tetrachloroethene	8.16	164	178351	50.825	ug/l	97
65) Chlorobenzene	9.81	112	430709	49.441	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	165738	48.552	ug/l	98
67) Ethyl Benzene	9.91	91	719070	49.634	ug/l	97
68) m/p-Xylenes	10.13	106	535415	96.567	ug/l	99
69) o-Xylene	10.72	106	304007	51.385	ug/l	97
70) Styrene	10.80	104	413754	49.435	ug/l	99
71) Bromoform	10.78	173	94228	50.833	ug/l	95
73) Isopropylbenzene	11.13	105	862354	50.289	ug/l	97
74) N-amyl acetate	11.38	43	194401	47.232	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	141306	45.997	ug/l	94
76) 1,2,3-Trichloropropane	11.80	75	99804	47.783	ug/l	98
77) Bromobenzene	11.51	156	208912	49.315	ug/l	90
78) n-propylbenzene	11.60	91	910650	46.278	ug/l	98
79) 2-Chlorotoluene	11.72	91	533639	48.422	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	680169	49.628	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	48641m	48.576	ug/l	
82) 4-Chlorotoluene	11.90	91	549915	48.075	ug/l	94
83) tert-Butylbenzene	12.14	119	735383	48.444	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	642887	47.216	ug/l	99
85) sec-Butylbenzene	12.31	105	967460	49.284	ug/l	98
86) p-Isopropyltoluene	12.46	119	783591	47.564	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	386528	46.803	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	391694	49.316	ug/l	96
89) n-Butylbenzene	12.85	91	759042	48.792	ug/l	93
90) Hexachloroethane	12.93	117	198188	51.726	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	350978	44.680	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	23023	47.268	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	270121	47.974	ug/l	99
94) Hexachlorobutadiene	14.20	225	173066	49.769	ug/l	99
95) Naphthalene	14.46	128	495167	50.264	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	255754	49.489	ug/l	97

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

