

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061492.D
 Acq On : 24 Jan 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
 1/25/2019 10:26:23 AM

Quant Time: Jan 25 04:21:01 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	4.89	168	207927	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.62	114	355541	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.81	117	316663	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.57	152	146469	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	94870	36.96	ug/l	0.04
Spiked Amount	50.000		Recovery	=	73.92%	
35) Dibromofluoromethane	4.14	113	116035	41.36	ug/l	0.04
Spiked Amount	50.000		Recovery	=	82.72%	
50) Toluene-d8	7.58	98	321092	41.77	ug/l	0.03
Spiked Amount	50.000		Recovery	=	83.54%	
62) 4-Bromofluorobenzene	11.43	95	136712	38.07	ug/l	0.03
Spiked Amount	50.000		Recovery	=	76.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	198899	48.685	ug/l	92
3) Chloromethane	1.11	50	152700	50.974	ug/l	94
4) Vinyl Chloride	1.15	62	137122	51.458	ug/l	96
5) Bromomethane	1.32	94	90339	51.989	ug/l	99
6) Chloroethane	1.41	64	64539	54.659	ug/l	98
7) Trichlorofluoromethane	1.49	101	227827	43.979	ug/l	99
8) Diethyl Ether	1.64	74	34860	52.517	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.86	101	121041	48.627	ug/l	97
10) Methyl Iodide	1.92	142	204394m	52.967	ug/l	
11) Tert butyl alcohol	2.59	59	24681	227.136	ug/l #	85
12) 1,1-Dichloroethene	1.82	96	101572	54.925	ug/l	82
13) Acrolein	2.01	56	27765	294.721	ug/l	98
14) Allyl chloride	2.11	41	140884	68.085	ug/l	89
15) Acrylonitrile	2.96	53	67235	241.560	ug/l	94
16) Acetone	2.25	43	151438	294.057	ug/l	99
17) Carbon Disulfide	1.84	76	321573m	55.768	ug/l	
18) Methyl Acetate	2.37	43	52778	51.676	ug/l	98
19) Methyl tert-butyl Ether	2.45	73	189497	45.710	ug/l	98
20) Methylene Chloride	2.19	84	92441m	52.983	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	104283	51.253	ug/l	98
22) Diisopropyl ether	2.81	45	326452	49.605	ug/l	99
23) Vinyl Acetate	3.21	43	739343	255.348	ug/l	98
24) 1,1-Dichloroethane	2.89	63	203129	49.179	ug/l	97
25) 2-Butanone	4.36	43	241857	282.406	ug/l	97
26) 2,2-Dichloropropane	3.62	77	113631	44.777	ug/l	94
27) cis-1,2-Dichloroethene	3.50	96	154457	51.426	ug/l	97
28) Bromochloromethane	3.74	49	89003	47.938	ug/l	92
29) Tetrahydrofuran	4.10	42	90095	244.314	ug/l	96
30) Chloroform	3.89	83	270611	48.546	ug/l	98
31) Cyclohexane	3.72	56	222806m	54.002	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	166367	40.704	ug/l	97
36) 1,1-Dichloropropene	4.31	75	222097	53.877	ug/l	98
37) Ethyl Acetate	4.13	43	87716	53.231	ug/l #	93
38) Carbon Tetrachloride	4.02	117	167852	46.575	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	236298	52.894	ug/l	98
40) Benzene	4.67	78	468857	51.113	ug/l	98
41) Methacrylonitrile	4.78	41	43117	49.175	ug/l	95
42) 1,2-Dichloroethane	4.97	62	162138	49.603	ug/l	98
43) Isopropyl Acetate	6.98	43	111748	54.033	ug/l #	90
44) Trichloroethene	5.53	130	150682	53.549	ug/l	92
45) 1,2-Dichloropropane	6.26	63	129943	53.975	ug/l	97
46) Dibromomethane	6.12	93	81189	50.718	ug/l	96
47) Bromodichloromethane	6.41	83	207698	52.440	ug/l	99
48) Methyl methacrylate	6.74	41	72496	52.202	ug/l	95
49) 1,4-Dioxane	6.74	88	10207	1056.854	ug/l #	81
51) 4-Methyl-2-Pentanone	8.29	43	389304	256.052	ug/l	96
52) Toluene	7.66	92	308709	51.105	ug/l	97
53) t-1,3-Dichloropropene	8.31	75	161283	51.282	ug/l	97
54) cis-1,3-Dichloropropene	7.33	75	204490	52.017	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	87818	51.195	ug/l	95
56) Ethyl methacrylate	8.64	69	100985	50.601	ug/l	98
57) 1,3-Dichloropropane	8.88	76	161747	50.306	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.32	63	68141	317.283	ug/l	93
59) 2-Hexanone	9.52	43	299390	282.387	ug/l	99
60) Dibromochloromethane	8.74	129	124247	49.544	ug/l	98
61) 1,2-Dibromoethane	9.02	107	98221	50.017	ug/l	96
64) Tetrachloroethene	8.18	164	129449	54.360	ug/l	99
65) Chlorobenzene	9.83	112	343921	53.408	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	133901	52.197	ug/l	97
67) Ethyl Benzene	9.92	91	602174	51.182	ug/l	99
68) m/p-Xylenes	10.16	106	433634	102.474	ug/l	94
69) o-Xylene	10.73	106	245531	53.536	ug/l	95
70) Styrene	10.81	104	316183	50.364	ug/l	96
71) Bromoform	10.79	173	61739	53.565	ug/l #	98
73) Isopropylbenzene	11.15	105	680133	57.094	ug/l	99
74) N-amyl acetate	11.39	43	173956	61.755	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	112792	53.149	ug/l	100
76) 1,2,3-Trichloropropane	11.82	75	83912	55.028	ug/l	92
77) Bromobenzene	11.51	156	141282	56.157	ug/l	85
78) n-propylbenzene	11.61	91	766282	53.245	ug/l	98
79) 2-Chlorotoluene	11.74	91	444788	53.813	ug/l	94
80) 1,3,5-Trimethylbenzene	11.84	105	542895	56.471	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.89	75	37982m	57.298	ug/l	
82) 4-Chlorotoluene	11.92	91	450594	54.024	ug/l	100
83) tert-Butylbenzene	12.15	119	555629	55.840	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	545314	55.068	ug/l	97
85) sec-Butylbenzene	12.32	105	753654	55.773	ug/l	97
86) p-Isopropyltoluene	12.48	119	619909	55.885	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	260573	52.371	ug/l	99
88) 1,4-Dichlorobenzene	12.59	146	251503	52.902	ug/l	97
89) n-Butylbenzene	12.86	91	617352	53.965	ug/l	99
90) Hexachloroethane	12.93	117	163235	62.427	ug/l	93
91) 1,2-Dichlorobenzene	12.96	146	252678	53.689	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.66	75	20871	55.447	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	178121	54.027	ug/l	98
94) Hexachlorobutadiene	14.21	225	112303	54.895	ug/l	97
95) Naphthalene	14.47	128	334369	53.381	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	162815	53.348	ug/l	99

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

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