

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022519\
 Data File : VF061732.D
 Acq On : 25 Feb 2019 16:07
 Operator : VA/AP
 Sample : K1560-01LOD
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Quant Time: Feb 26 04:55:23 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	4.87	168	298953	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	471341	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	413178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	239591	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	124702	56.88	ug/l	0.00
Spiked Amount			Recovery	=	113.76%	
35) Dibromofluoromethane	4.12	113	179987	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
50) Toluene-d8	7.55	98	510059	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.41	95	210039	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	9476	2.760	ug/l	93
3) Chloromethane	1.10	50	10760	2.987	ug/l	89
4) Vinyl Chloride	1.13	62	8553	2.554	ug/l #	82
5) Bromomethane	1.32	94	8538	3.705	ug/l #	59
6) Chloroethane	1.39	64	3920	2.375	ug/l	89
7) Trichlorofluoromethane	1.47	101	10908	2.701	ug/l	89
8) Diethyl Ether	1.63	74	2519	2.475	ug/l	50
9) 1,1,2-Trichlorotrifluoroet	1.83	101	8329	2.859	ug/l	93
10) Methyl Iodide	1.90	142	15433m	2.773	ug/l	
11) Tert butyl alcohol	2.59	59	1969	15.519	ug/l #	68
12) 1,1-Dichloroethene	1.78	96	7959	3.107	ug/l #	69
13) Acrolein	2.00	56	3409	21.379	ug/l #	58
14) Allyl chloride	2.10	41	8055	2.562	ug/l	89
15) Acrylonitrile	2.95	53	6463	14.361	ug/l	89
16) Acetone	2.25	43	6909	14.689	ug/l #	72
17) Carbon Disulfide	1.84	76	21787	2.706	ug/l	98
18) Methyl Acetate	2.37	43	10076	9.509	ug/l #	72
19) Methyl tert-butyl Ether	2.43	73	12326	2.815	ug/l #	90
20) Methylene Chloride	2.25	84	14319m	3.328	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	8052	2.891	ug/l	91
22) Diisopropyl ether	2.81	45	20086	2.662	ug/l #	86
23) Vinyl Acetate	3.19	43	40794	11.069	ug/l	99
24) 1,1-Dichloroethane	2.88	63	12454	2.727	ug/l	99
25) 2-Butanone	4.34	43	14296	13.914	ug/l #	82
26) 2,2-Dichloropropane	3.60	77	5745	2.970	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	9844	2.693	ug/l	89
28) Bromochloromethane	3.71	49	6236	2.846	ug/l	87
29) Tetrahydrofuran	4.08	42	6667	14.277	ug/l #	86
30) Chloroform	3.86	83	14620	2.815	ug/l	97
31) Cyclohexane	3.71	56	14622	2.958	ug/l #	90
32) 1,1,1-Trichloroethane	4.10	97	9597	2.821	ug/l #	83
36) 1,1-Dichloropropene	4.29	75	12849	2.752	ug/l	88
37) Ethyl Acetate	4.12	43	4588	2.116	ug/l	93
38) Carbon Tetrachloride	3.99	117	8929	2.769	ug/l	91

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39) Methylcyclohexane	5.44	83	13466	2.439	ug/l	97
40) Benzene	4.63	78	28907	2.367	ug/l	97
41) Methacrylonitrile	4.75	41	3782	3.410	ug/l #	81
42) 1,2-Dichloroethane	4.95	62	7489	2.563	ug/l	98
43) Isopropyl Acetate	6.96	43	5628	2.192	ug/l #	87
44) Trichloroethene	5.51	130	10087	2.554	ug/l	64
45) 1,2-Dichloropropane	6.23	63	6723	2.277	ug/l #	84
46) Dibromomethane	6.09	93	4163	2.290	ug/l	91
47) Bromodichloromethane	6.39	83	9611	2.415	ug/l	97
48) Methyl methacrylate	6.72	41	3914	2.534	ug/l #	87
49) 1,4-Dioxane	6.71	88	419	28.852	ug/l #	42
51) 4-Methyl-2-Pentanone	8.26	43	21561	11.755	ug/l	98
52) Toluene	7.62	92	21279	2.873	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	7785	2.350	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	10199	2.311	ug/l	91
55) 1,1,2-Trichloroethane	8.49	97	4968	2.283	ug/l	87
56) Ethyl methacrylate	8.62	69	6213	2.564	ug/l	90
57) 1,3-Dichloropropane	8.85	76	8602	2.368	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.29	63	4245	10.154	ug/l	91
59) 2-Hexanone	9.49	43	15346	11.935	ug/l	92
60) Dibromochloromethane	8.70	129	6784	2.240	ug/l	99
61) 1,2-Dibromoethane	8.99	107	5877	2.490	ug/l	84
64) Tetrachloroethene	8.15	164	9454	2.799	ug/l	94
65) Chlorobenzene	9.80	112	22722	2.710	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	8709	2.651	ug/l	93
67) Ethyl Benzene	9.90	91	41860	3.002	ug/l	96
68) m/p-Xylenes	10.13	106	32218	6.038	ug/l	100
69) o-Xylene	10.72	106	15237	2.676	ug/l	94
70) Styrene	10.78	104	20052	2.489	ug/l	94
71) Bromoform	10.77	173	3939	2.208	ug/l	92
73) Isopropylbenzene	11.12	105	41282	2.420	ug/l	98
74) N-amyl acetate	11.38	43	9562	2.335	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.69	83	7574	2.478	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	4516	2.173	ug/l	100
77) Bromobenzene	11.49	156	10115	2.400	ug/l	91
78) n-propylbenzene	11.59	91	53795	2.748	ug/l	95
79) 2-Chlorotoluene	11.72	91	29654	2.705	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	37782	2.771	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	2690	2.700	ug/l #	83
82) 4-Chlorotoluene	11.90	91	29798	2.619	ug/l	87
83) tert-Butylbenzene	12.13	119	38232	2.532	ug/l	96
84) 1,2,4-Trimethylbenzene	12.20	105	43220	3.191	ug/l	98
85) sec-Butylbenzene	12.30	105	49475	2.534	ug/l	95
86) p-Isopropyltoluene	12.46	119	45125	2.753	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	23290	2.835	ug/l	92
88) 1,4-Dichlorobenzene	12.56	146	20944	2.651	ug/l	96
89) n-Butylbenzene	12.85	91	41103	2.656	ug/l	97
90) Hexachloroethane	12.91	117	9363	2.456	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	20083	2.570	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	883	1.822	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	13911	2.484	ug/l	96
94) Hexachlorobutadiene	14.19	225	8493	2.455	ug/l	91
95) Naphthalene	14.45	128	20918	2.135	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.60	180	11923	2.319	ug/l	95

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

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