

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
 Data File : VF061274.D
 Acq On : 7 Jan 2019 12:47
 Operator : VA/AP
 Sample : VF0107SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 12:57:59 PM

Quant Time: Jan 08 00:28:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	188331	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	309206	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	290032	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	141446	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	99448	41.60	ug/l	-0.04
Spiked Amount 50.000			Recovery =	83.20%		
35) Dibromofluoromethane	4.08	113	122930	51.68	ug/l	-0.04
Spiked Amount 50.000			Recovery =	103.36%		
50) Toluene-d8	7.52	98	344743	48.84	ug/l	-0.04
Spiked Amount 50.000			Recovery =	97.68%		
62) 4-Bromofluorobenzene	11.39	95	155027	49.56	ug/l	-0.02
Spiked Amount 50.000			Recovery =	99.12%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	75276	20.817	ug/l	98
3) Chloromethane	1.08	50	63972	23.093	ug/l	97
4) Vinyl Chloride	1.13	62	59412	24.760	ug/l	98
5) Bromomethane	1.29	94	42410	25.852	ug/l	98
6) Chloroethane	1.37	64	27334	25.136	ug/l	89
7) Trichlorofluoromethane	1.46	101	105032	24.324	ug/l	99
8) Diethyl Ether	1.62	74	13169	21.378	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.80	101	53439	24.771	ug/l	94
10) Methyl Iodide	1.83	142	82900	23.784	ug/l	94
11) Tert butyl alcohol	2.55	59	6790	67.310	ug/l #	92
12) 1,1-Dichloroethene	1.74	96	41544	22.909	ug/l	97
13) Acrolein	1.99	56	10158	120.714	ug/l	95
14) Allyl chloride	2.08	41	79094	31.549	ug/l	96
15) Acrylonitrile	2.92	53	26820	99.449	ug/l	98
16) Acetone	2.22	43	53124	117.982	ug/l	96
17) Carbon Disulfide	1.75	76	144886	26.238	ug/l #	92
18) Methyl Acetate	2.32	43	19748	20.122	ug/l #	91
19) Methyl tert-butyl Ether	2.41	73	71534	18.924	ug/l	95
20) Methylene Chloride	2.17	84	42605	20.374	ug/l	94
21) trans-1,2-Dichloroethene	2.29	96	45490	23.851	ug/l	92
22) Diisopropyl ether	2.78	45	134050	21.265	ug/l	98
23) Vinyl Acetate	3.16	43	190219	65.889	ug/l	99
24) 1,1-Dichloroethane	2.86	63	82355	22.282	ug/l	95
25) 2-Butanone	4.31	43	75492	85.525	ug/l	98
26) 2,2-Dichloropropane	3.58	77	64466	30.289	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	60904	21.731	ug/l	98
28) Bromochloromethane	3.69	49	36073	20.617	ug/l	87
29) Tetrahydrofuran	4.04	42	29639	90.565	ug/l	99
30) Chloroform	3.83	83	104606	20.234	ug/l	100
31) Cyclohexane	3.67	56	93022	23.746	ug/l	92
32) 1,1,1-Trichloroethane	4.07	97	91039	27.111	ug/l	97
36) 1,1-Dichloropropene	4.25	75	80112	21.999	ug/l	96
37) Ethyl Acetate	4.08	43	25915	17.823	ug/l #	71
38) Carbon Tetrachloride	3.96	117	91907m	31.524	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	96062	24.677	ug/l	95
40) Benzene	4.60	78	177861	21.520	ug/l	99
41) Methacrylonitrile	4.72	41	15756	20.033	ug/l #	93
42) 1,2-Dichloroethane	4.92	62	55243	19.978	ug/l	97
43) Isopropyl Acetate	6.93	43	33018	17.019	ug/l #	99
44) Trichloroethene	5.48	130	53973	20.980	ug/l	96
45) 1,2-Dichloropropane	6.21	63	46312	21.948	ug/l	95
46) Dibromomethane	6.06	93	26838	19.330	ug/l	97
47) Bromodichloromethane	6.36	83	69553	19.680	ug/l	96
48) Methyl methacrylate	6.68	41	21780	17.337	ug/l	89
49) 1,4-Dioxane	6.67	88	2707	310.983	ug/l	93
51) 4-Methyl-2-Pentanone	8.23	43	134382	104.582	ug/l	94
52) Toluene	7.60	92	112839	20.910	ug/l	96
53) t-1,3-Dichloropropene	8.25	75	56106	19.474	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	72638	19.836	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	31303	20.170	ug/l #	87
56) Ethyl methacrylate	8.59	69	33419	19.485	ug/l	95
57) 1,3-Dichloropropane	8.82	76	55460	19.011	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	8511	40.863	ug/l	98
59) 2-Hexanone	9.47	43	98512	100.985	ug/l	94
60) Dibromochloromethane	8.69	129	43900	19.915	ug/l	92
61) 1,2-Dibromoethane	8.96	107	31606	18.870	ug/l	97
64) Tetrachloroethene	8.12	164	45699	20.560	ug/l	97
65) Chlorobenzene	9.77	112	123068	20.868	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.90	131	52665	21.745	ug/l	96
67) Ethyl Benzene	9.87	91	242062	22.328	ug/l	99
68) m/p-Xylenes	10.11	106	178541	45.126	ug/l	99
69) o-Xylene	10.69	106	94387	22.053	ug/l	91
70) Styrene	10.77	104	124777	21.178	ug/l	96
71) Bromoform	10.75	173	21354	18.938	ug/l	99
73) Isopropylbenzene	11.10	105	295259	24.574	ug/l	97
74) N-amyl acetate	11.35	43	63104	20.803	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.67	83	44693	21.296	ug/l	92
76) 1,2,3-Trichloropropane	11.77	75	33046	21.211	ug/l	96
77) Bromobenzene	11.48	156	52811	20.938	ug/l	97
78) n-propylbenzene	11.58	91	341466	23.843	ug/l	99
79) 2-Chlorotoluene	11.69	91	197720	23.905	ug/l	97
80) 1,3,5-Trimethylbenzene	11.80	105	238653	24.604	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	12517m	17.530	ug/l	
82) 4-Chlorotoluene	11.88	91	198319	23.653	ug/l	99
83) tert-Butylbenzene	12.11	119	229270	22.925	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	229530	23.770	ug/l	98
85) sec-Butylbenzene	12.29	105	332943	24.543	ug/l	98
86) p-Isopropyltoluene	12.44	119	272537	24.382	ug/l	99
87) 1,3-Dichlorobenzene	12.45	146	113061	23.230	ug/l	98
88) 1,4-Dichlorobenzene	12.54	146	104868	22.083	ug/l	94
89) n-Butylbenzene	12.83	91	287204	25.137	ug/l	98
90) Hexachloroethane	12.90	117	62031	22.494	ug/l	98
91) 1,2-Dichlorobenzene	12.93	146	105998	22.545	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7690	20.390	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	76682	23.291	ug/l	93
94) Hexachlorobutadiene	14.17	225	46099	21.977	ug/l	97
95) Naphthalene	14.44	128	127776	20.763	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	65030	21.303	ug/l	96

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

