

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062518.D
 Acq On : 12 May 2019 23:40
 Operator : FY/SY
 Sample : VF0512SBS02
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS02

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:24:08 PM

Quant Time: May 13 06:57:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	290920	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	392808	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	338616	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	223549	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	153186	55.72	ug/l	0.02
Spiked Amount 50.000			Recovery	=	111.44%	
35) Dibromofluoromethane	4.32	113	178800	57.13	ug/l	0.02
Spiked Amount 50.000			Recovery	=	114.26%	
50) Toluene-d8	7.73	98	389056	51.36	ug/l	0.02
Spiked Amount 50.000			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.50	95	178546	52.24	ug/l	0.01
Spiked Amount 50.000			Recovery	=	104.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	75088	22.302	ug/l	91
3) Chloromethane	1.14	50	42795	19.272	ug/l	97
4) Vinyl Chloride	1.20	62	42441	19.161	ug/l #	87
5) Bromomethane	1.38	94	40115	22.628	ug/l	93
6) Chloroethane	1.44	64	25314	22.732	ug/l	91
7) Trichlorofluoromethane	1.56	101	104107	22.654	ug/l	97
8) Diethyl Ether	1.71	74	12862	18.497	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.91	101	58640	22.350	ug/l	95
10) Methyl Iodide	1.98	142	102688	23.750	ug/l	99
11) Tert butyl alcohol	2.70	59	13695	88.137	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	47090	21.112	ug/l	97
13) Acrolein	2.11	56	8366	72.078	ug/l	89
14) Allyl chloride	2.21	41	67351	34.183	ug/l	98
15) Acrylonitrile	3.10	53	29937	101.710	ug/l	96
16) Acetone	2.35	43	43242	77.750	ug/l	98
17) Carbon Disulfide	1.92	76	100692	20.704	ug/l	97
18) Methyl Acetate	2.47	43	22349	20.166	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	95576	20.758	ug/l	95
20) Methylene Chloride	2.30	84	45256m	22.491	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	47903	22.542	ug/l	97
22) Diisopropyl ether	2.94	45	131140	21.296	ug/l	95
23) Vinyl Acetate	3.36	43	272615	99.330	ug/l	97
24) 1,1-Dichloroethane	3.02	63	91027	24.458	ug/l	98
25) 2-Butanone	4.54	43	64445	92.232	ug/l	99
26) 2,2-Dichloropropane	3.79	77	55266	26.591	ug/l	98
27) cis-1,2-Dichloroethene	3.66	96	59874	22.540	ug/l	97
28) Bromochloromethane	3.92	49	32554	19.287	ug/l	96
29) Tetrahydrofuran	4.29	42	32068	99.859	ug/l	94
30) Chloroform	4.07	83	122383	24.340	ug/l	93
31) Cyclohexane	3.91	56	63175	21.267	ug/l	95
32) 1,1,1-Trichloroethane	4.30	97	110541	25.651	ug/l	97
36) 1,1-Dichloropropene	4.49	75	68965	20.438	ug/l	98
37) Ethyl Acetate	4.31	43	29820	19.478	ug/l #	95
38) Carbon Tetrachloride	4.21	117	99304m	27.099	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	73235	21.640	ug/l	95
40) Benzene	4.84	78	155459	20.922	ug/l	96
41) Methacrylonitrile	4.95	41	17054	21.078	ug/l #	58
42) 1,2-Dichloroethane	5.14	62	66336	21.346	ug/l	98
43) Isopropyl Acetate	7.13	43	27159	17.695	ug/l #	99
44) Trichloroethene	5.69	130	64077	23.475	ug/l	95
45) 1,2-Dichloropropane	6.42	63	40115	23.835	ug/l	98
46) Dibromomethane	6.28	93	32375	23.200	ug/l	97
47) Bromodichloromethane	6.57	83	81019	23.222	ug/l #	91
48) Methyl methacrylate	6.89	41	20229	18.650	ug/l	93
49) 1,4-Dioxane	6.89	88	2869	247.350	ug/l #	73
51) 4-Methyl-2-Pentanone	8.42	43	120614	103.709	ug/l	99
52) Toluene	7.79	92	99835	21.779	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	57029	21.612	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	68688	22.367	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	33079	22.732	ug/l	96
56) Ethyl methacrylate	8.77	69	28758	18.721	ug/l	98
57) 1,3-Dichloropropane	9.01	76	49194	22.381	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.47	63	43351	93.870	ug/l	100
59) 2-Hexanone	9.64	43	80015	99.479	ug/l	95
60) Dibromochloromethane	8.88	129	53811	22.610	ug/l	99
61) 1,2-Dibromoethane	9.14	107	38355	22.426	ug/l	97
64) Tetrachloroethene	8.32	164	65450	23.809	ug/l	93
65) Chlorobenzene	9.94	112	128231	22.888	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	67284	23.806	ug/l	95
67) Ethyl Benzene	10.04	91	218791	22.301	ug/l	99
68) m/p-Xylenes	10.27	106	169298	46.770	ug/l	99
69) o-Xylene	10.83	106	88488	22.623	ug/l	92
70) Styrene	10.90	104	134279	22.906	ug/l	97
71) Bromoform	10.89	173	33302	21.507	ug/l #	99
73) Isopropylbenzene	11.22	105	283698	21.407	ug/l	98
74) N-amyl acetate	11.46	43	46674	16.404	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	45292	21.827	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	33571	21.205	ug/l #	100
77) Bromobenzene	11.59	156	76015	21.855	ug/l	97
78) n-propylbenzene	11.68	91	304097	21.552	ug/l	99
79) 2-Chlorotoluene	11.81	91	183404	20.904	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	253733	21.843	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	10356m	17.403	ug/l	
82) 4-Chlorotoluene	11.98	91	180640	20.846	ug/l	98
83) tert-Butylbenzene	12.20	119	258719	21.193	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	245287	21.578	ug/l	98
85) sec-Butylbenzene	12.38	105	321280	21.622	ug/l	99
86) p-Isopropyltoluene	12.53	119	302386	21.903	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	147097	23.156	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	133705	21.808	ug/l	98
89) n-Butylbenzene	12.90	91	275665	22.444	ug/l	96
90) Hexachloroethane	12.98	117	72673	21.083	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	142577	23.189	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	8823	18.979	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	120544	21.858	µg/l	98
94) Hexachlorobutadiene	14.23	225	90216	21.948	µg/l	96
95) Naphthalene	14.50	128	157775	19.029	µg/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	115628	21.642	µg/l	97

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

