

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062699.D
 Acq On : 22 May 2019 12:09
 Operator : FY/SY
 Sample : VF0522SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 12:16:19 PM

Quant Time: May 23 01:48:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	839289	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	1315246	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	978976	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.60	152	486598	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	284317	47.94	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	95.88%	
35) Dibromofluoromethane	4.30	113	520968	51.76	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.52%	
50) Toluene-d8	7.70	98	1174433	48.87	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.49	95	397309	43.59	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	204262	17.884	ug/l	100
3) Chloromethane	1.14	50	177580	16.886	ug/l	92
4) Vinyl Chloride	1.19	62	167771	17.331	ug/l	94
5) Bromomethane	1.40	94	89008	16.807	ug/l	90
6) Chloroethane	1.44	64	57389	16.142	ug/l #	84
7) Trichlorofluoromethane	1.55	101	257798	19.833	ug/l	89
8) Diethyl Ether	1.71	74	48035	18.654	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.90	101	157900	19.078	ug/l	91
10) Methyl Iodide	1.98	142	324667	19.969	ug/l	96
11) Tert butyl alcohol	2.70	59	36106	92.211	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	145082	19.243	ug/l	97
13) Acrolein	2.10	56	35101	85.878	ug/l	88
14) Allyl chloride	2.19	41	137284m	20.119	ug/l	
15) Acrylonitrile	3.08	53	93044	84.239	ug/l	95
16) Acetone	2.34	43	117689	76.489	ug/l #	88
17) Carbon Disulfide	1.92	76	407883	18.252	ug/l	95
18) Methyl Acetate	2.46	43	47038	19.454	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	250640	18.596	ug/l	94
20) Methylene Chloride	2.32	84	154853	20.078	ug/l	92
21) trans-1,2-Dichloroethene	2.42	96	151429	20.549	ug/l	94
22) Diisopropyl ether	2.93	45	310182	18.430	ug/l	97
23) Vinyl Acetate	3.34	43	1028522	90.595	ug/l	99
24) 1,1-Dichloroethane	3.00	63	249578	20.215	ug/l	98
25) 2-Butanone	4.52	43	260524	79.251	ug/l	95
26) 2,2-Dichloropropane	3.77	77	144676	20.480	ug/l	91
27) cis-1,2-Dichloroethene	3.64	96	240184	19.814	ug/l	92
28) Bromochloromethane	3.89	49	134073	19.362	ug/l	86
29) Tetrahydrofuran	4.26	42	122965	92.437	ug/l	99
30) Chloroform	4.04	83	356435	20.793	ug/l	98
31) Cyclohexane	3.89	56	303713	18.321	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	230123	20.214	ug/l	97
36) 1,1-Dichloropropene	4.46	75	260322	19.316	ug/l	99
37) Ethyl Acetate	4.29	43	107237	19.488	ug/l	95
38) Carbon Tetrachloride	4.18	117	209917	20.710	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	337595	20.818	ug/l	96
40) Benzene	4.82	78	796671	21.698	ug/l	97
41) Methacrylonitrile	4.92	41	53637	18.592	ug/l	95
42) 1,2-Dichloroethane	5.12	62	153170	20.920	ug/l	93
43) Isopropyl Acetate	7.10	43	113951	15.984	ug/l #	80
44) Trichloroethene	5.67	130	220222	21.341	ug/l	91
45) 1,2-Dichloropropane	6.40	63	187331	20.212	ug/l	95
46) Dibromomethane	6.25	93	116427	21.736	ug/l	99
47) Bromodichloromethane	6.54	83	229654	20.652	ug/l	95
48) Methyl methacrylate	6.87	41	64304	17.257	ug/l	91
49) 1,4-Dioxane	6.86	88	17468	366.012	ug/l #	92
51) 4-Methyl-2-Pentanone	8.39	43	435775	89.427	ug/l	97
52) Toluene	7.77	92	396443	20.589	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	183594	20.181	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	269867	21.191	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	117265	20.568	ug/l	96
56) Ethyl methacrylate	8.75	69	114127	16.802	ug/l	97
57) 1,3-Dichloropropane	8.99	76	192901	19.864	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.44	63	217215	98.247	ug/l	95
59) 2-Hexanone	9.61	43	297861	81.969	ug/l	94
60) Dibromochloromethane	8.85	129	152566	20.532	ug/l	98
61) 1,2-Dibromoethane	9.11	107	122517	20.232	ug/l	100
64) Tetrachloroethene	8.30	164	161135	20.776	ug/l	97
65) Chlorobenzene	9.92	112	406940	21.164	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	166580	21.580	ug/l	95
67) Ethyl Benzene	10.02	91	701832	21.011	ug/l	99
68) m/p-Xylenes	10.25	106	510506	40.663	ug/l	84
69) o-Xylene	10.81	106	254247	19.662	ug/l	97
70) Styrene	10.88	104	383188	19.496	ug/l	100
71) Bromoform	10.87	173	76386	19.759	ug/l #	99
73) Isopropylbenzene	11.20	105	712387	20.427	ug/l	95
74) N-amyl acetate	11.44	43	164885	14.780	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	136204	19.110	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	88836	18.970	ug/l	95
77) Bromobenzene	11.57	156	165540	19.096	ug/l	92
78) n-propylbenzene	11.67	91	844713	20.466	ug/l	95
79) 2-Chlorotoluene	11.78	91	464239	19.958	ug/l	97
80) 1,3,5-Trimethylbenzene	11.88	105	559647	20.013	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.93	75	40587m	19.498	ug/l	
82) 4-Chlorotoluene	11.96	91	463287	20.197	ug/l	97
83) tert-Butylbenzene	12.19	119	579664	20.431	ug/l	97
84) 1,2,4-Trimethylbenzene	12.26	105	535886	19.799	ug/l	95
85) sec-Butylbenzene	12.36	105	781533	20.526	ug/l	92
86) p-Isopropyltoluene	12.51	119	667427	20.800	ug/l	97
87) 1,3-Dichlorobenzene	12.52	146	322388	20.555	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	298565	20.286	ug/l	98
89) n-Butylbenzene	12.89	91	688483	21.762	ug/l	94
90) Hexachloroethane	12.97	117	160737	20.882	ug/l	76
91) 1,2-Dichlorobenzene	12.99	146	287378	20.556	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	18090	21.276	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	206366	20.622	ug/l	94
94) Hexachlorobutadiene	14.22	225	148191	21.219	ug/l	97
95) Naphthalene	14.49	128	297460	16.362	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	183375	19.346	ug/l	97

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

