

Data File : VF062476.D
Acq On : 12 May 2019 00:07
Operator : FY/SY
Sample : VF0511SBS02
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Manual Integrations
APPROVED

MMDadoda
5/12/2019 12:05:14 PM

Quant Time: May 12 05:06:56 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	279155	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	377115	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	323764	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	217501	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	121665	46.12	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.24%	
35) Dibromofluoromethane	4.32	113	144418	48.07	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	7.72	98	309380	42.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	85.08%	
62) 4-Bromofluorobenzene	11.50	95	147551	44.97	ug/l	0.01
Spiked Amount	50.000		Recovery	=	89.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	75936	23.504	ug/l	94
3) Chloromethane	1.14	50	47062	22.087	ug/l	100
4) Vinyl Chloride	1.19	62	46951	22.091	ug/l	91
5) Bromomethane	1.39	94	41283	24.460	ug/l	95
6) Chloroethane	1.44	64	27216	25.470	ug/l	90
7) Trichlorofluoromethane	1.56	101	115345	26.157	ug/l	97
8) Diethyl Ether	1.71	74	15133	22.680	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.91	101	62840	24.961	ug/l	92
10) Methyl Iodide	1.98	142	107276	25.857	ug/l	98
11) Tert butyl alcohol	2.71	59	14516	97.358	ug/l #	89
12) 1,1-Dichloroethene	1.87	96	50565	23.626	ug/l	91
13) Acrolein	2.11	56	8870	82.061	ug/l	86
14) Allyl chloride	2.21	41	61645m	32.606	ug/l	
15) Acrylonitrile	3.09	53	30891	109.374	ug/l	95
16) Acetone	2.35	43	59450	111.398	ug/l #	92
17) Carbon Disulfide	1.92	76	104782	22.453	ug/l	99
18) Methyl Acetate	2.47	43	25728	24.860	ug/l #	92
19) Methyl tert-butyl Ether	2.55	73	104636	23.684	ug/l	100
20) Methylene Chloride	2.33	84	47347m	24.522	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	47340	23.216	ug/l	93
22) Diisopropyl ether	2.95	45	137903	23.338	ug/l	98
23) Vinyl Acetate	3.35	43	298315	113.275	ug/l	96
24) 1,1-Dichloroethane	3.02	63	93469	26.173	ug/l	98
25) 2-Butanone	4.53	43	70764	105.544	ug/l #	92
26) 2,2-Dichloropropane	3.78	77	52644	26.397	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	62826	24.648	ug/l	98
28) Bromochloromethane	3.91	49	33476	20.669	ug/l	91
29) Tetrahydrofuran	4.28	42	33202	107.748	ug/l	98
30) Chloroform	4.06	83	123002	25.494	ug/l	93
31) Cyclohexane	3.89	56	65782	23.077	ug/l	96
32) 1,1,1-Trichloroethane	4.30	97	110805	26.796	ug/l	98
36) 1,1-Dichloropropene	4.48	75	79299	24.478	ug/l	97
37) Ethyl Acetate	4.31	43	29576	20.317	ug/l #	94
38) Carbon Tetrachloride	4.20	117	99269	28.339	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	72753	22.393	ug/l	95
40) Benzene	4.84	78	152967	21.443	ug/l	96
41) Methacrylonitrile	4.95	41	14453	18.606	ug/l	98
42) 1,2-Dichloroethane	5.14	62	73233	24.545	ug/l	97
43) Isopropyl Acetate	7.13	43	30555	20.736	ug/l #	97
44) Trichloroethene	5.70	130	65199	24.880	ug/l	99
45) 1,2-Dichloropropane	6.42	63	37069	22.942	ug/l	93
46) Dibromomethane	6.28	93	29564	22.068	ug/l	97
47) Bromodichloromethane	6.56	83	77868	23.248	ug/l	98
48) Methyl methacrylate	6.89	41	19652	18.872	ug/l	92
49) 1,4-Dioxane	6.88	88	3620	329.246	ug/l #	69
51) 4-Methyl-2-Pentanone	8.42	43	114928	102.932	ug/l	99
52) Toluene	7.79	92	99836	22.686	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	55101	21.751	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	63598	21.571	ug/l #	93
55) 1,1,2-Trichloroethane	8.65	97	28736	20.569	ug/l #	88
56) Ethyl methacrylate	8.77	69	29534	20.027	ug/l	94
57) 1,3-Dichloropropane	9.01	76	47049	22.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	42042	94.824	ug/l	96
59) 2-Hexanone	9.63	43	76037	98.468	ug/l	95
60) Dibromochloromethane	8.86	129	53465	23.399	ug/l	98
61) 1,2-Dibromoethane	9.14	107	36273	22.091	ug/l	97
64) Tetrachloroethene	8.32	164	67780	25.787	ug/l	91
65) Chlorobenzene	9.94	112	125515	23.431	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.07	131	64161	23.742	ug/l	97
67) Ethyl Benzene	10.04	91	220174	23.472	ug/l	99
68) m/p-Xylenes	10.27	106	158315	45.742	ug/l	91
69) o-Xylene	10.82	106	83211	22.250	ug/l	93
70) Styrene	10.90	104	130614	23.303	ug/l	99
71) Bromoform	10.88	173	31014	20.948	ug/l #	98
73) Isopropylbenzene	11.22	105	272327	21.120	ug/l	99
74) N-amyl acetate	11.45	43	52332	18.904	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	41421	20.516	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	33234	21.576	ug/l #	100
77) Bromobenzene	11.59	156	75478	22.304	ug/l	97
78) n-propylbenzene	11.68	91	293316	21.366	ug/l	100
79) 2-Chlorotoluene	11.80	91	181572	21.271	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	252738	22.363	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	7969m	13.764	ug/l	
82) 4-Chlorotoluene	11.98	91	182961	21.701	ug/l	99
83) tert-Butylbenzene	12.20	119	256172	21.568	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	242816	21.954	ug/l	99
85) sec-Butylbenzene	12.37	105	322868	22.333	ug/l	99
86) p-Isopropyltoluene	12.53	119	303069	22.563	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	139475	22.567	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	132383	22.193	ug/l	98
89) n-Butylbenzene	12.90	91	273550	22.891	ug/l	96
90) Hexachloroethane	12.98	117	71901	21.439	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	133535	22.322	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9296	20.553	ug/l	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051119\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	119115	22.199	ug/l	98
94) Hexachlorobutadiene	14.23	225	88780	22.199	ug/l	98
95) Naphthalene	14.50	128	156423	19.391	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	114635	22.052	ug/l	98

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

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