

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062721.D
 Acq On : 23 May 2019 12:38
 Operator : FY/SY
 Sample : VF0523SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 11:15:54 AM

Quant Time: May 24 02:26:07 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	5.05	168	820598	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1340810	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	974511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	464533	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	255764	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	
35) Dibromofluoromethane	4.31	113	483536	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
50) Toluene-d8	7.71	98	1061208	43.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.64%	
62) 4-Bromofluorobenzene	11.49	95	375422	40.41	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	80.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	213316	19.102	ug/l	97
3) Chloromethane	1.15	50	164962	16.043	ug/l	92
4) Vinyl Chloride	1.18	62	175433	18.535	ug/l	96
5) Bromomethane	1.39	94	91450	17.662	ug/l	92
6) Chloroethane	1.45	64	62189	17.890	ug/l #	86
7) Trichlorofluoromethane	1.56	101	260266	20.479	ug/l	96
8) Diethyl Ether	1.71	74	42768	16.987	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.91	101	170757	21.101	ug/l	93
10) Methyl Iodide	1.98	142	324325	20.402	ug/l	93
11) Tert butyl alcohol	2.71	59	38013	99.293	ug/l	100
12) 1,1-Dichloroethene	1.87	96	147571	20.019	ug/l	96
13) Acrolein	2.10	56	33251	83.205	ug/l	83
14) Allyl chloride	2.20	41	128928m	19.324	ug/l	
15) Acrylonitrile	3.10	53	130029	120.406	ug/l	97
16) Acetone	2.35	43	127513	84.761	ug/l	93
17) Carbon Disulfide	1.91	76	407381	18.645	ug/l	95
18) Methyl Acetate	2.47	43	52250	22.102	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	274260	20.812	ug/l	97
20) Methylene Chloride	2.34	84	149762m	19.861	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	156782	21.760	ug/l	88
22) Diisopropyl ether	2.94	45	303550	18.447	ug/l	96
23) Vinyl Acetate	3.34	43	1131912	101.972	ug/l	99
24) 1,1-Dichloroethane	3.01	63	233225	19.320	ug/l	98
25) 2-Butanone	4.53	43	300384	93.458	ug/l	100
26) 2,2-Dichloropropane	3.78	77	157857	22.855	ug/l	90
27) cis-1,2-Dichloroethene	3.65	96	269777	22.762	ug/l	95
28) Bromochloromethane	3.90	49	135390	19.998	ug/l	100
29) Tetrahydrofuran	4.27	42	126150	96.991	ug/l	96
30) Chloroform	4.05	83	382679	22.833	ug/l	100
31) Cyclohexane	3.87	56	312782	19.298	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	239992	21.561	ug/l	96
36) 1,1-Dichloropropene	4.47	75	285026	20.746	ug/l	97
37) Ethyl Acetate	4.30	43	102343	18.244	ug/l #	89
38) Carbon Tetrachloride	4.18	117	219221	21.216	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	355976	21.533	ug/l	91
40) Benzene	4.82	78	830988	22.202	ug/l	98
41) Methacrylonitrile	4.93	41	58069	19.745	ug/l	98
42) 1,2-Dichloroethane	5.13	62	155141	20.785	ug/l	89
43) Isopropyl Acetate	7.11	43	126787	17.445	ug/l #	90
44) Trichloroethene	5.68	130	227293	21.607	ug/l	94
45) 1,2-Dichloropropane	6.41	63	200693	21.241	ug/l	90
46) Dibromomethane	6.26	93	115798	21.206	ug/l	97
47) Bromodichloromethane	6.55	83	238417	21.032	ug/l	98
48) Methyl methacrylate	6.87	41	65011	17.114	ug/l	96
49) 1,4-Dioxane	6.87	88	17133	352.148	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	461968	92.995	ug/l	100
52) Toluene	7.78	92	405565	20.661	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	187792	20.249	ug/l	89
54) cis-1,3-Dichloropropene	7.45	75	281882	21.713	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	117879	20.282	ug/l	97
56) Ethyl methacrylate	8.75	69	121110	17.490	ug/l	97
57) 1,3-Dichloropropane	8.99	76	195169	19.715	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.44	63	198298	87.981	ug/l	97
59) 2-Hexanone	9.62	43	301102	81.120	ug/l	97
60) Dibromochloromethane	8.85	129	160227	21.152	ug/l	100
61) 1,2-Dibromoethane	9.13	107	130009	21.060	ug/l	94
64) Tetrachloroethene	8.30	164	169061	21.898	ug/l	97
65) Chlorobenzene	9.93	112	413400	21.598	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	168811	21.970	ug/l	99
67) Ethyl Benzene	10.03	91	715022	21.504	ug/l	98
68) m/p-Xylenes	10.25	106	525002	42.010	ug/l	89
69) o-Xylene	10.81	106	289484	22.489	ug/l	99
70) Styrene	10.88	104	411590	21.037	ug/l	100
71) Bromoform	10.87	173	79041	20.539	ug/l #	99
73) Isopropylbenzene	11.21	105	761007	22.857	ug/l	94
74) N-amyl acetate	11.45	43	190385	19.144	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	147938	21.743	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	87498	19.571	ug/l	100
77) Bromobenzene	11.57	156	176144	21.284	ug/l	97
78) n-propylbenzene	11.66	91	852194	21.628	ug/l	90
79) 2-Chlorotoluene	11.79	91	481013	21.662	ug/l	94
80) 1,3,5-Trimethylbenzene	11.89	105	590182	22.107	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	39366m	19.809	ug/l	
82) 4-Chlorotoluene	11.97	91	466305	21.295	ug/l	98
83) tert-Butylbenzene	12.19	119	606408	22.389	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	571253	22.108	ug/l	92
85) sec-Butylbenzene	12.36	105	815313	22.430	ug/l	97
86) p-Isopropyltoluene	12.51	119	686528	22.412	ug/l	96
87) 1,3-Dichlorobenzene	12.53	146	320912	21.433	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	302894	21.557	ug/l	98
89) n-Butylbenzene	12.89	91	703181	23.282	ug/l	91
90) Hexachloroethane	12.96	117	167244	22.759	ug/l	91
91) 1,2-Dichlorobenzene	12.99	146	293400	21.983	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	17212	21.205	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	205016	21.460	ug/l	100
94) Hexachlorobutadiene	14.23	225	148022	22.202	ug/l	95
95) Naphthalene	14.49	128	319127	18.387	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	193775	21.414	ug/l	94

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

