

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062545.D
 Acq On : 13 May 2019 16:51
 Operator : FY/SY
 Sample : VF0513SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 11:21:25 AM

Quant Time: May 14 07:35:34 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	5.08	168	349583	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	447614	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	401149	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	260495	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	144600	43.77	ug/l	0.04
Spiked Amount	50.000		Recovery	=	87.54%	
35) Dibromofluoromethane	4.33	113	165558	46.43	ug/l	0.03
Spiked Amount	50.000		Recovery	=	92.86%	
50) Toluene-d8	7.73	98	387777	44.92	ug/l	0.03
Spiked Amount	50.000		Recovery	=	89.84%	
62) 4-Bromofluorobenzene	11.51	95	184067	47.26	ug/l	0.02
Spiked Amount	50.000		Recovery	=	94.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	92720	22.917	ug/l	94
3) Chloromethane	1.16	50	54259	20.334	ug/l	99
4) Vinyl Chloride	1.20	62	55754	20.948	ug/l	94
5) Bromomethane	1.39	94	47092	22.045	ug/l	85
6) Chloroethane	1.44	64	30433	22.743	ug/l	89
7) Trichlorofluoromethane	1.56	101	134027	24.270	ug/l	100
8) Diethyl Ether	1.72	74	16838	20.151	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.92	101	73502	23.314	ug/l	97
10) Methyl Iodide	1.98	142	126832	24.412	ug/l	99
11) Tert butyl alcohol	2.71	59	15984	85.606	ug/l #	91
12) 1,1-Dichloroethene	1.88	96	58112	21.682	ug/l	97
13) Acrolein	2.11	56	10475	76.072	ug/l	98
14) Allyl chloride	2.21	41	87041	36.764	ug/l	96
15) Acrylonitrile	3.10	53	40057	113.255	ug/l	96
16) Acetone	2.36	43	72843	108.995	ug/l	98
17) Carbon Disulfide	1.93	76	127909	21.887	ug/l	97
18) Methyl Acetate	2.47	43	29146	22.171	ug/l	100
19) Methyl tert-butyl Ether	2.57	73	117459	21.230	ug/l	98
20) Methylene Chloride	2.34	84	55191m	22.825	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	57070	22.349	ug/l	91
22) Diisopropyl ether	2.95	45	165717	22.395	ug/l	95
23) Vinyl Acetate	3.36	43	347281	105.301	ug/l	98
24) 1,1-Dichloroethane	3.03	63	104564	23.381	ug/l	98
25) 2-Butanone	4.55	43	83403	99.334	ug/l #	88
26) 2,2-Dichloropropane	3.80	77	73241	29.326	ug/l	100
27) cis-1,2-Dichloroethene	3.67	96	69059	21.635	ug/l	97
28) Bromochloromethane	3.93	49	39577	19.513	ug/l #	1
29) Tetrahydrofuran	4.30	42	36936	95.717	ug/l	99
30) Chloroform	4.07	83	147013	24.332	ug/l	100
31) Cyclohexane	3.91	56	82151	23.014	ug/l	100
32) 1,1,1-Trichloroethane	4.32	97	130312	25.165	ug/l	99
36) 1,1-Dichloropropene	4.50	75	86937	22.609	ug/l	98
37) Ethyl Acetate	4.32	43	37154	21.847	ug/l #	93
38) Carbon Tetrachloride	4.20	117	120768	29.119	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	85003	22.042	ug/l	96
40) Benzene	4.85	78	199103	23.514	ug/l	99
41) Methacrylonitrile	4.96	41	17826	19.334	ug/l	92
42) 1,2-Dichloroethane	5.15	62	86290	24.367	ug/l	100
43) Isopropyl Acetate	7.14	43	31959	18.273	ug/l #	100
44) Trichloroethene	5.71	130	75049	24.128	ug/l	94
45) 1,2-Dichloropropane	6.44	63	44534	23.221	ug/l	99
46) Dibromomethane	6.28	93	35033	22.031	ug/l	93
47) Bromodichloromethane	6.58	83	90908	22.866	ug/l	96
48) Methyl methacrylate	6.90	41	23359	18.899	ug/l	90
49) 1,4-Dioxane	6.90	88	4285	328.311	ug/l	90
51) 4-Methyl-2-Pentanone	8.42	43	143734	108.456	ug/l	99
52) Toluene	7.80	92	125718	24.068	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	70126	23.322	ug/l	100
54) cis-1,3-Dichloropropene	7.49	75	83504	23.862	ug/l	96
55) 1,1,2-Trichloroethane	8.66	97	40028	24.139	ug/l	94
56) Ethyl methacrylate	8.78	69	36973	21.122	ug/l	93
57) 1,3-Dichloropropane	9.01	76	60361	24.099	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.47	63	56607	107.566	ug/l	99
59) 2-Hexanone	9.64	43	105561	115.171	ug/l	95
60) Dibromochloromethane	8.88	129	65464	24.138	ug/l	98
61) 1,2-Dibromoethane	9.15	107	42708	21.914	ug/l	93
64) Tetrachloroethene	8.32	164	75214	23.096	ug/l	98
65) Chlorobenzene	9.95	112	156981	23.651	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	78138	23.337	ug/l	99
67) Ethyl Benzene	10.05	91	278327	23.947	ug/l	100
68) m/p-Xylenes	10.27	106	197825	46.132	ug/l	97
69) o-Xylene	10.84	106	112053	24.182	ug/l	96
70) Styrene	10.91	104	162926	23.461	ug/l	99
71) Bromoform	10.90	173	40479	22.067	ug/l #	94
73) Isopropylbenzene	11.23	105	345518	22.374	ug/l	99
74) N-amyl acetate	11.46	43	59822	18.043	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	52262	21.614	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	39704	21.522	ug/l #	100
77) Bromobenzene	11.60	156	93915	23.172	ug/l	98
78) n-propylbenzene	11.68	91	394028	23.965	ug/l	99
79) 2-Chlorotoluene	11.81	91	232887	22.779	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	314573	23.240	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	13529m	19.510	ug/l	
82) 4-Chlorotoluene	11.98	91	229143	22.693	ug/l	99
83) tert-Butylbenzene	12.21	119	318408	22.383	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	304401	22.980	ug/l	100
85) sec-Butylbenzene	12.38	105	395806	22.859	ug/l	99
86) p-Isopropyltoluene	12.53	119	374845	23.301	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	171489	23.167	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	166186	23.261	ug/l	99
89) n-Butylbenzene	12.91	91	330530	23.094	ug/l	99
90) Hexachloroethane	12.99	117	85986	21.407	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	165279	23.069	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	10444	19.280	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	144390	22.468	ug/l	98
94) Hexachlorobutadiene	14.24	225	106507	22.236	ug/l	98
95) Naphthalene	14.50	128	188454	19.506	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	138155	22.190	ug/l	96

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

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