

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062543.D
 Acq On : 13 May 2019 15:55
 Operator : FY/SY
 Sample : VF0513SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 11:01:55 AM

Quant Time: May 13 16:25:39 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	327375	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	431368	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	374613	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	254255	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	134059	43.33	ug/l	0.03
Spiked Amount	50.000		Recovery	=	86.66%	
35) Dibromofluoromethane	4.33	113	170702	49.67	ug/l	0.03
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	7.74	98	387987	46.64	ug/l	0.03
Spiked Amount	50.000		Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.51	95	185313	49.37	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	82217	21.700	ug/l	91
3) Chloromethane	1.14	50	51328	20.541	ug/l	100
4) Vinyl Chloride	1.19	62	52590	21.100	ug/l	96
5) Bromomethane	1.39	94	41832	20.775	ug/l	94
6) Chloroethane	1.45	64	28743	22.937	ug/l	91
7) Trichlorofluoromethane	1.56	101	124861	24.144	ug/l	99
8) Diethyl Ether	1.71	74	15350	19.617	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.91	101	71328	24.159	ug/l	98
10) Methyl Iodide	1.99	142	115038	23.644	ug/l	98
11) Tert butyl alcohol	2.70	59	15268	87.318	ug/l #	70
12) 1,1-Dichloroethene	1.87	96	53307	21.238	ug/l	91
13) Acrolein	2.12	56	9290	70.822	ug/l #	54
14) Allyl chloride	2.21	41	84127	37.943	ug/l	93
15) Acrylonitrile	3.10	53	34427	103.940	ug/l	93
16) Acetone	2.36	43	68629	109.656	ug/l	98
17) Carbon Disulfide	1.92	76	118676	21.685	ug/l	97
18) Methyl Acetate	2.47	43	27162	22.047	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	103649	20.005	ug/l	92
20) Methylene Chloride	2.31	84	50703m	22.392	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	51840	21.678	ug/l	97
22) Diisopropyl ether	2.96	45	145930	21.059	ug/l	96
23) Vinyl Acetate	3.36	43	312547	101.198	ug/l	100
24) 1,1-Dichloroethane	3.04	63	102194	24.401	ug/l	99
25) 2-Butanone	4.54	43	79439	101.031	ug/l	97
26) 2,2-Dichloropropane	3.79	77	65670	28.078	ug/l	97
27) cis-1,2-Dichloroethene	3.67	96	65747	21.995	ug/l	98
28) Bromochloromethane	3.92	49	38103	20.061	ug/l #	96
29) Tetrahydrofuran	4.30	42	32063	88.726	ug/l	98
30) Chloroform	4.08	83	135568	23.960	ug/l	94
31) Cyclohexane	3.90	56	74077	22.160	ug/l	98
32) 1,1,1-Trichloroethane	4.32	97	119398	24.621	ug/l	99
36) 1,1-Dichloropropene	4.49	75	81671	22.040	ug/l	99
37) Ethyl Acetate	4.33	43	29862	17.243	ug/l #	99
38) Carbon Tetrachloride	4.21	117	105682m	26.171	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	76331	20.539	ug/l	93
40) Benzene	4.85	78	176849	21.673	ug/l	96
41) Methacrylonitrile	4.96	41	16140	18.165	ug/l	97
42) 1,2-Dichloroethane	5.15	62	72759	21.319	ug/l	98
43) Isopropyl Acetate	7.14	43	28578	16.955	ug/l #	96
44) Trichloroethene	5.71	130	67537	22.531	ug/l	94
45) 1,2-Dichloropropane	6.43	63	41458	22.431	ug/l	98
46) Dibromomethane	6.28	93	34071	22.233	ug/l	97
47) Bromodichloromethane	6.57	83	85297	22.263	ug/l	96
48) Methyl methacrylate	6.90	41	22171	18.614	ug/l	94
49) 1,4-Dioxane	6.90	88	4927	394.275	ug/l	88
51) 4-Methyl-2-Pentanone	8.42	43	128248	100.416	ug/l	98
52) Toluene	7.80	92	111945	22.238	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	64350	22.207	ug/l	93
54) cis-1,3-Dichloropropene	7.48	75	77237	22.902	ug/l	92
55) 1,1,2-Trichloroethane	8.65	97	35317	22.100	ug/l	96
56) Ethyl methacrylate	8.77	69	31904	18.913	ug/l	100
57) 1,3-Dichloropropane	9.02	76	55443	22.969	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	49262	97.134	ug/l	99
59) 2-Hexanone	9.64	43	88992	100.750	ug/l	98
60) Dibromochloromethane	8.88	129	58656	22.442	ug/l	98
61) 1,2-Dibromoethane	9.16	107	40288	21.450	ug/l	96
64) Tetrachloroethene	8.33	164	67120	22.070	ug/l	96
65) Chlorobenzene	9.96	112	139410	22.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	68853	22.020	ug/l	97
67) Ethyl Benzene	10.04	91	255625	23.552	ug/l	98
68) m/p-Xylenes	10.28	106	184729	46.129	ug/l	99
69) o-Xylene	10.83	106	99356	22.961	ug/l	96
70) Styrene	10.90	104	141720	21.853	ug/l	99
71) Bromoform	10.89	173	35295	20.604	ug/l #	94
73) Isopropylbenzene	11.23	105	318066	21.101	ug/l	100
74) N-amyl acetate	11.46	43	49975	15.443	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	47074	19.946	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	35751	19.855	ug/l #	100
77) Bromobenzene	11.59	156	82311	20.807	ug/l	97
78) n-propylbenzene	11.68	91	346474	21.590	ug/l	99
79) 2-Chlorotoluene	11.81	91	213043	21.350	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	287578	21.767	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	11329m	16.738	ug/l	
82) 4-Chlorotoluene	11.99	91	217023	22.020	ug/l	100
83) tert-Butylbenzene	12.21	119	286985	20.669	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	269219	20.823	ug/l	98
85) sec-Butylbenzene	12.38	105	362950	21.476	ug/l	100
86) p-Isopropyltoluene	12.53	119	339441	21.618	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	159493	22.076	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	152431	21.860	ug/l	98
89) n-Butylbenzene	12.90	91	305728	21.885	ug/l	98
90) Hexachloroethane	12.98	117	75885	19.356	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	150440	21.513	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	8805	16.653	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	133335	21.257	ug/l	99
94) Hexachlorobutadiene	14.23	225	101500	21.711	ug/l	98
95) Naphthalene	14.50	128	167622	17.775	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	121699	20.027	ug/l	96

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

