

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062418.D
 Acq On : 10 May 2019 12:47
 Operator : FY/SY
 Sample : VF0510SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 3:54:14 PM

Quant Time: May 10 15:01:26 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	5.06	168	333987	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	432139	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	366707	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	238625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	174499	55.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.58%	
35) Dibromofluoromethane	4.31	113	190160	55.23	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.46%	
50) Toluene-d8	7.71	98	423997	50.88	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.50	95	196836	52.35	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	86598	22.404	ug/l	95
3) Chloromethane	1.15	50	51896	20.357	ug/l	98
4) Vinyl Chloride	1.19	62	53837	21.172	ug/l	93
5) Bromomethane	1.39	94	45902	22.545	ug/l	96
6) Chloroethane	1.44	64	27166	21.250	ug/l	92
7) Trichlorofluoromethane	1.56	101	119927	22.731	ug/l	98
8) Diethyl Ether	1.71	74	19394	24.294	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.92	101	69936	23.219	ug/l	97
10) Methyl Iodide	1.98	142	114174	23.002	ug/l	99
11) Tert butyl alcohol	2.70	59	14375	80.584	ug/l	99
12) 1,1-Dichloroethene	1.87	96	52644	20.559	ug/l	93
13) Acrolein	2.11	56	11069	86.585	ug/l #	78
14) Allyl chloride	2.20	41	80676	35.666	ug/l	98
15) Acrylonitrile	3.09	53	34729	102.776	ug/l	93
16) Acetone	2.35	43	75379	118.056	ug/l	94
17) Carbon Disulfide	1.92	76	119139	21.338	ug/l	97
18) Methyl Acetate	2.47	43	28404	22.682	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	107229	20.286	ug/l	93
20) Methylene Chloride	2.33	84	55001	23.809	ug/l	95
21) trans-1,2-Dichloroethene	2.43	96	50057	20.518	ug/l	86
22) Diisopropyl ether	2.94	45	143318	20.273	ug/l	97
23) Vinyl Acetate	3.36	43	316322	100.393	ug/l	99
24) 1,1-Dichloroethane	3.02	63	95247	22.292	ug/l	96
25) 2-Butanone	4.53	43	81675	101.818	ug/l	99
26) 2,2-Dichloropropane	3.77	77	57081	23.923	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	63308	20.759	ug/l	94
28) Bromochloromethane	3.91	49	37612	19.410	ug/l	100
29) Tetrahydrofuran	4.28	42	32414	87.921	ug/l	97
30) Chloroform	4.06	83	127039	22.008	ug/l	94
31) Cyclohexane	3.90	56	71585	20.990	ug/l	97
32) 1,1,1-Trichloroethane	4.30	97	115149	23.275	ug/l	97
36) 1,1-Dichloropropene	4.48	75	83491	22.491	ug/l	97
37) Ethyl Acetate	4.30	43	33430	19.960	ug/l #	99
38) Carbon Tetrachloride	4.19	117	98155m	24.049	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	82142	22.063	ug/l	93
40) Benzene	4.83	78	184862	22.614	ug/l	98
41) Methacrylonitrile	4.93	41	15416	17.319	ug/l #	83
42) 1,2-Dichloroethane	5.14	62	79073	23.128	ug/l	100
43) Isopropyl Acetate	7.12	43	36780	21.783	ug/l #	97
44) Trichloroethene	5.69	130	69981	23.304	ug/l	99
45) 1,2-Dichloropropane	6.41	63	42214	22.799	ug/l	94
46) Dibromomethane	6.27	93	33612	21.895	ug/l	99
47) Bromodichloromethane	6.56	83	88622	23.090	ug/l	95
48) Methyl methacrylate	6.89	41	26437	22.155	ug/l	97
49) 1,4-Dioxane	6.88	88	4684	373.485	ug/l	87
51) 4-Methyl-2-Pentanone	8.40	43	134855	105.400	ug/l	97
52) Toluene	7.78	92	111907	22.191	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	62577	21.556	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	76129	22.533	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	34851	21.770	ug/l	96
56) Ethyl methacrylate	8.76	69	33003	19.530	ug/l	97
57) 1,3-Dichloropropane	9.01	76	53147	21.978	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.46	63	53816	105.924	ug/l	97
59) 2-Hexanone	9.63	43	94867	107.210	ug/l	99
60) Dibromochloromethane	8.87	129	57905	22.116	ug/l	97
61) 1,2-Dibromoethane	9.13	107	39924	21.219	ug/l	94
64) Tetrachloroethene	8.31	164	64728	21.742	ug/l	96
65) Chlorobenzene	9.94	112	140647	23.181	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	70305	22.969	ug/l	97
67) Ethyl Benzene	10.03	91	248272	23.368	ug/l	99
68) m/p-Xylenes	10.27	106	184994	47.192	ug/l	98
69) o-Xylene	10.82	106	96628	22.812	ug/l	98
70) Styrene	10.90	104	144727	22.797	ug/l	99
71) Bromoform	10.89	173	36514	21.775	ug/l #	98
73) Isopropylbenzene	11.21	105	297490	21.029	ug/l	100
74) N-amyl acetate	11.45	43	60681	19.980	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	45049	20.338	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	33743	19.967	ug/l #	100
77) Bromobenzene	11.59	156	80781	21.758	ug/l	97
78) n-propylbenzene	11.68	91	331878	22.035	ug/l	100
79) 2-Chlorotoluene	11.80	91	199369	21.288	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	277752	22.400	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	12841m	20.215	ug/l	
82) 4-Chlorotoluene	11.97	91	206500	22.325	ug/l	99
83) tert-Butylbenzene	12.20	119	282465	21.676	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	269477	22.208	ug/l	100
85) sec-Butylbenzene	12.37	105	341174	21.510	ug/l	99
86) p-Isopropyltoluene	12.53	119	326392	22.148	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	154222	22.744	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	143078	21.862	ug/l	99
89) n-Butylbenzene	12.90	91	307001	23.416	ug/l	99
90) Hexachloroethane	12.98	117	76769	20.864	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	144263	21.981	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	10194	20.543	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	137369	23.335	ug/l	96
94) Hexachlorobutadiene	14.23	225	99456	22.667	ug/l	98
95) Naphthalene	14.50	128	179277	20.256	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	129865	22.771	ug/l	97

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

