

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062497.D
 Acq On : 12 May 2019 12:28
 Operator : FY/SY
 Sample : VF0512SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:25:53 PM

Quant Time: May 13 05:15:10 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	325484	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.79	114	421894	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	382193	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	249981	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	153485	49.90	ug/l	0.03
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	4.33	113	183047	54.46	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.92%	
50) Toluene-d8	7.73	98	429688	52.81	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.62%	
62) 4-Bromofluorobenzene	11.50	95	201294	54.84	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	81143	21.541	ug/l	99
3) Chloromethane	1.14	50	48912	19.688	ug/l	100
4) Vinyl Chloride	1.19	62	51120	20.629	ug/l	99
5) Bromomethane	1.38	94	43087	21.618	ug/l	88
6) Chloroethane	1.44	64	29280	23.502	ug/l	93
7) Trichlorofluoromethane	1.56	101	119877	23.315	ug/l	99
8) Diethyl Ether	1.72	74	15716	20.201	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	68685	23.399	ug/l	98
10) Methyl Iodide	1.98	142	113074	23.375	ug/l	97
11) Tert butyl alcohol	2.70	59	16670	95.890	ug/l	100
12) 1,1-Dichloroethene	1.87	96	48373	19.384	ug/l	96
13) Acrolein	2.11	56	12442	103.406	ug/l	97
14) Allyl chloride	2.21	41	77085	34.969	ug/l	98
15) Acrylonitrile	3.10	53	33737	102.449	ug/l	98
16) Acetone	2.36	43	70620	113.492	ug/l	94
17) Carbon Disulfide	1.91	76	115326	21.195	ug/l	95
18) Methyl Acetate	2.46	43	23834	19.066	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	106459	20.667	ug/l	98
20) Methylene Chloride	2.33	84	49724	22.087	ug/l	89
21) trans-1,2-Dichloroethene	2.43	96	54816	23.056	ug/l	93
22) Diisopropyl ether	2.95	45	146301	21.235	ug/l	94
23) Vinyl Acetate	3.36	43	330388	107.597	ug/l	98
24) 1,1-Dichloroethane	3.03	63	97857	23.501	ug/l	98
25) 2-Butanone	4.53	43	81032	103.656	ug/l #	91
26) 2,2-Dichloropropane	3.80	77	68144	29.305	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	64570	21.726	ug/l	95
28) Bromochloromethane	3.92	49	37329	19.767	ug/l	93
29) Tetrahydrofuran	4.29	42	34248	95.323	ug/l	98
30) Chloroform	4.06	83	133578	23.745	ug/l	99
31) Cyclohexane	3.90	56	74031	22.275	ug/l	98
32) 1,1,1-Trichloroethane	4.31	97	122590	25.426	ug/l	97
36) 1,1-Dichloropropene	4.49	75	78702	21.716	ug/l	97
37) Ethyl Acetate	4.32	43	32341	19.726	ug/l #	98
38) Carbon Tetrachloride	4.21	117	114145m	29.209	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	76546	21.059	ug/l	97
40) Benzene	4.84	78	184167	23.076	ug/l	96
41) Methacrylonitrile	4.95	41	15600	17.951	ug/l #	59
42) 1,2-Dichloroethane	5.15	62	77576	23.241	ug/l	98
43) Isopropyl Acetate	7.13	43	35317	21.424	ug/l #	99
44) Trichloroethene	5.70	130	64021	21.837	ug/l	98
45) 1,2-Dichloropropane	6.42	63	38284	21.179	ug/l	98
46) Dibromomethane	6.28	93	35120	23.432	ug/l	92
47) Bromodichloromethane	6.56	83	88722	23.677	ug/l	96
48) Methyl methacrylate	6.89	41	23857	20.479	ug/l	95
49) 1,4-Dioxane	6.90	88	3596	290.866	ug/l #	85
51) 4-Methyl-2-Pentanone	8.42	43	137258	109.883	ug/l	99
52) Toluene	7.80	92	116413	23.645	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	66674	23.525	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	81301	24.649	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	34772	22.248	ug/l	95
56) Ethyl methacrylate	8.77	69	33373	20.228	ug/l	98
57) 1,3-Dichloropropane	9.01	76	55839	23.652	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	48098	96.969	ug/l	99
59) 2-Hexanone	9.64	43	99838	115.567	ug/l	98
60) Dibromochloromethane	8.87	129	60323	23.599	ug/l	99
61) 1,2-Dibromoethane	9.15	107	39991	21.770	ug/l	97
64) Tetrachloroethene	8.32	164	64970	20.939	ug/l	96
65) Chlorobenzene	9.95	112	144028	22.776	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.07	131	70073	21.966	ug/l	97
67) Ethyl Benzene	10.04	91	251458	22.709	ug/l	97
68) m/p-Xylenes	10.27	106	183611	44.941	ug/l	96
69) o-Xylene	10.83	106	100308	22.721	ug/l	100
70) Styrene	10.90	104	152955	23.117	ug/l	97
71) Bromoform	10.89	173	35431	20.273	ug/l #	99
73) Isopropylbenzene	11.23	105	329607	22.241	ug/l	100
74) N-amyl acetate	11.45	43	54347	17.082	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	46265	19.938	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	37371	21.110	ug/l #	100
77) Bromobenzene	11.59	156	86389	22.211	ug/l	98
78) n-propylbenzene	11.68	91	351027	22.248	ug/l	100
79) 2-Chlorotoluene	11.81	91	216857	22.103	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	287259	22.115	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	13932m	20.936	ug/l	
82) 4-Chlorotoluene	11.98	91	214241	22.109	ug/l	99
83) tert-Butylbenzene	12.20	119	291451	21.350	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	290282	22.836	ug/l	99
85) sec-Butylbenzene	12.38	105	370375	22.290	ug/l	100
86) p-Isopropyltoluene	12.53	119	344021	22.284	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	155005	21.821	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	154121	22.480	ug/l	98
89) n-Butylbenzene	12.90	91	286366	20.850	ug/l	97
90) Hexachloroethane	12.98	117	77340	20.064	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	154754	22.508	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9510	18.294	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	136694	22.165	ug/l	97
94) Hexachlorobutadiene	14.23	225	101665	22.118	ug/l	98
95) Naphthalene	14.50	128	171191	18.464	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	127597	21.357	ug/l	98

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

