

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032119\
 Data File : VF062056.D
 Acq On : 21 Mar 2019 13:04
 Operator : VA/AP
 Sample : VF0321SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

Manual Integrations
 APPROVED

Quant Time: Mar 22 08:23:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

MMDadoda
 3/23/2019 2:59:12 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	284173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	410878	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	341892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	187590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	99056	48.42	ug/l	0.00
Spiked Amount						
			Recovery	=	96.84%	
35) Dibromofluoromethane	4.11	113	132473	48.01	ug/l	0.00
Spiked Amount						
			Recovery	=	96.02%	
50) Toluene-d8	7.55	98	384108	47.62	ug/l	0.00
Spiked Amount						
			Recovery	=	95.24%	
62) 4-Bromofluorobenzene	11.41	95	152729	47.67	ug/l	0.00
Spiked Amount						
			Recovery	=	95.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	64214	21.197	ug/l	95
3) Chloromethane	1.09	50	68821	22.355	ug/l	90
4) Vinyl Chloride	1.14	62	65979	22.160	ug/l	99
5) Bromomethane	1.33	94	43020	20.568	ug/l	97
6) Chloroethane	1.39	64	32509	21.150	ug/l	99
7) Trichlorofluoromethane	1.47	101	78884	19.998	ug/l	100
8) Diethyl Ether	1.63	74	19267	21.972	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	58602	21.086	ug/l	96
10) Methyl Iodide	1.91	142	106689m	21.928	ug/l	
11) Tert butyl alcohol	2.57	59	12152	97.083	ug/l #	87
12) 1,1-Dichloroethene	1.80	96	51410	21.435	ug/l	91
13) Acrolein	2.00	56	12030	89.028	ug/l	99
14) Allyl chloride	2.10	41	57456	18.767	ug/l	95
15) Acrylonitrile	2.95	53	40927	107.521	ug/l	90
16) Acetone	2.24	43	54824	119.352	ug/l #	86
17) Carbon Disulfide	1.83	76	150549m	21.715	ug/l	
18) Methyl Acetate	2.35	43	23160	22.249	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	89732	20.647	ug/l	97
20) Methylene Chloride	2.19	84	55620m	23.207	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	52984	21.169	ug/l	93
22) Diisopropyl ether	2.80	45	150804	20.478	ug/l	99
23) Vinyl Acetate	3.19	43	334528	115.235	ug/l	97
24) 1,1-Dichloroethane	2.87	63	93131	21.750	ug/l	99
25) 2-Butanone	4.34	43	103573	113.852	ug/l	99
26) 2,2-Dichloropropane	3.60	77	39557	19.585	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	65692	20.824	ug/l	94
28) Bromochloromethane	3.72	49	41053	23.106	ug/l	96
29) Tetrahydrofuran	4.07	42	41132	103.965	ug/l	98
30) Chloroform	3.86	83	98484	20.299	ug/l	99
31) Cyclohexane	3.69	56	90518m	21.399	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	67353	20.904	ug/l	98
36) 1,1-Dichloropropene	4.28	75	83243	22.435	ug/l	98
37) Ethyl Acetate	4.11	43	35657	21.403	ug/l	98
38) Carbon Tetrachloride	3.99	117	56449	20.817	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	94295	21.647	ug/l	93
40) Benzene	4.63	78	217351	22.107	ug/l	99
41) Methacrylonitrile	4.74	41	20007	22.477	ug/l #	87
42) 1,2-Dichloroethane	4.94	62	49783	20.340	ug/l	99
43) Isopropyl Acetate	6.96	43	42842	21.734	ug/l #	92
44) Trichloroethene	5.50	130	66213	21.984	ug/l	97
45) 1,2-Dichloropropane	6.24	63	50218	21.583	ug/l	99
46) Dibromomethane	6.08	93	29701	21.458	ug/l	97
47) Bromodichloromethane	6.39	83	68598	21.022	ug/l #	94
48) Methyl methacrylate	6.72	41	25239	19.812	ug/l	93
49) 1,4-Dioxane	6.71	88	5368	473.710	ug/l #	73
51) 4-Methyl-2-Pentanone	8.26	43	156893	112.087	ug/l	96
52) Toluene	7.62	92	124608	20.743	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	56884	20.648	ug/l	92
54) cis-1,3-Dichloropropene	7.30	75	78232	21.763	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	34951	20.846	ug/l	97
56) Ethyl methacrylate	8.62	69	43359	22.750	ug/l	92
57) 1,3-Dichloropropane	8.85	76	58010	20.742	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	30135	87.294	ug/l	96
59) 2-Hexanone	9.49	43	118028	116.512	ug/l	99
60) Dibromochloromethane	8.71	129	50474	21.685	ug/l	95
61) 1,2-Dibromoethane	8.98	107	38929	21.646	ug/l	99
64) Tetrachloroethene	8.15	164	54578	21.961	ug/l	97
65) Chlorobenzene	9.80	112	139868	21.973	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	56565	22.925	ug/l	98
67) Ethyl Benzene	9.90	91	240467	22.063	ug/l	100
68) m/p-Xylenes	10.13	106	185445	45.239	ug/l	96
69) o-Xylene	10.72	106	95111	21.684	ug/l	100
70) Styrene	10.79	104	129107	21.246	ug/l	96
71) Bromoform	10.78	173	26943	21.589	ug/l	99
73) Isopropylbenzene	11.12	105	274337	21.168	ug/l	96
74) N-amyl acetate	11.37	43	67859	22.851	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	47966	22.423	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	32116	21.470	ug/l	100
77) Bromobenzene	11.50	156	64217	21.397	ug/l	96
78) n-propylbenzene	11.59	91	320109	21.481	ug/l	99
79) 2-Chlorotoluene	11.72	91	183846	21.857	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	230520	22.020	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	16012m	24.197	ug/l	
82) 4-Chlorotoluene	11.90	91	181936	21.389	ug/l	99
83) tert-Butylbenzene	12.13	119	248613	22.708	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	233039	22.224	ug/l	95
85) sec-Butylbenzene	12.30	105	321281	21.720	ug/l	99
86) p-Isopropyltoluene	12.46	119	278866	22.593	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	128815	21.838	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	120151	21.163	ug/l	98
89) n-Butylbenzene	12.85	91	264657	22.818	ug/l	97
90) Hexachloroethane	12.92	117	64536	22.911	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	123170	22.545	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7585	22.096	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	83181	21.864	ug/l	95
94) Hexachlorobutadiene	14.19	225	54115	21.426	ug/l	96
95) Naphthalene	14.45	128	143377	20.954	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	75672	21.620	ug/l	97

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

