

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022819\
 Data File : VF061788.D
 Acq On : 28 Feb 2019 15:30
 Operator : VA/AP
 Sample : VF0228SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0228SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2019 4:09:40 AM

Quant Time: Mar 01 00:32:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	266933	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	402861	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	345027	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	191014	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	118647	60.61	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	121.22%	
35) Dibromofluoromethane	4.10	113	170451	56.98	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	113.96%	
50) Toluene-d8	7.54	98	469720	54.62	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.24%	
62) 4-Bromofluorobenzene	11.40	95	188890	54.28	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	81812	26.688	ug/l	98
3) Chloromethane	1.10	50	81492	25.337	ug/l	98
4) Vinyl Chloride	1.14	62	79129	26.465	ug/l	95
5) Bromomethane	1.32	94	47355	23.012	ug/l	93
6) Chloroethane	1.38	64	34575	23.465	ug/l	100
7) Trichlorofluoromethane	1.48	101	91600	25.400	ug/l	91
8) Diethyl Ether	1.62	74	19844	21.835	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	63848	24.542	ug/l #	91
10) Methyl Iodide	1.91	142	122273m	24.604	ug/l	
11) Tert butyl alcohol	2.57	59	12513	110.456	ug/l	96
12) 1,1-Dichloroethene	1.79	96	57589	25.177	ug/l	93
13) Acrolein	2.00	56	13373	93.925	ug/l	97
14) Allyl chloride	2.09	41	66538m	23.706	ug/l	
15) Acrylonitrile	2.93	53	43431	108.084	ug/l	95
16) Acetone	2.23	43	50052	119.176	ug/l #	84
17) Carbon Disulfide	1.83	76	173157m	24.083	ug/l	
18) Methyl Acetate	2.34	43	22685	23.977	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	102038	26.102	ug/l	96
20) Methylene Chloride	2.18	84	77213m	33.476	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	58795	23.645	ug/l	94
22) Diisopropyl ether	2.80	45	169379	25.139	ug/l	97
23) Vinyl Acetate	3.18	43	367752	111.751	ug/l	99
24) 1,1-Dichloroethane	2.87	63	98943	24.267	ug/l	98
25) 2-Butanone	4.33	43	102799	112.058	ug/l	100
26) 2,2-Dichloropropane	3.60	77	46460	26.901	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	79061	24.224	ug/l	98
28) Bromochloromethane	3.71	49	42990	21.974	ug/l	99
29) Tetrahydrofuran	4.06	42	46108	110.583	ug/l	95
30) Chloroform	3.85	83	116550	25.135	ug/l	98
31) Cyclohexane	3.68	56	104120m	23.589	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	69212	22.786	ug/l	99
36) 1,1-Dichloropropene	4.27	75	93290	23.376	ug/l	93
37) Ethyl Acetate	4.10	43	38102	20.555	ug/l #	77
38) Carbon Tetrachloride	3.98	117	72074	26.154	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	110641	23.442	ug/l	98
40) Benzene	4.62	78	252571	24.196	ug/l	98
41) Methacrylonitrile	4.73	41	20823	21.966	ug/l	94
42) 1,2-Dichloroethane	4.93	62	63342	25.367	ug/l	97
43) Isopropyl Acetate	6.95	43	45121	20.564	ug/l #	93
44) Trichloroethene	5.49	130	85115	25.215	ug/l	96
45) 1,2-Dichloropropane	6.22	63	57401	22.749	ug/l	98
46) Dibromomethane	6.07	93	36684	23.613	ug/l	90
47) Bromodichloromethane	6.38	83	80185	23.569	ug/l	98
48) Methyl methacrylate	6.70	41	29930	22.667	ug/l	91
49) 1,4-Dioxane	6.70	88	5218	420.383	ug/l #	80
51) 4-Methyl-2-Pentanone	8.25	43	161679	103.126	ug/l	98
52) Toluene	7.61	92	152784	24.133	ug/l	94
53) t-1,3-Dichloropropene	8.26	75	62818	22.186	ug/l	96
54) cis-1,3-Dichloropropene	7.29	75	88327	23.420	ug/l	94
55) 1,1,2-Trichloroethane	8.48	97	42489	22.843	ug/l	98
56) Ethyl methacrylate	8.60	69	43686	21.095	ug/l	97
57) 1,3-Dichloropropane	8.84	76	67719	21.812	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.27	63	35259	98.679	ug/l	96
59) 2-Hexanone	9.48	43	124939	113.687	ug/l	99
60) Dibromochloromethane	8.70	129	59659	23.043	ug/l	91
61) 1,2-Dibromoethane	8.97	107	47051	23.321	ug/l	95
64) Tetrachloroethene	8.13	164	66839	23.700	ug/l	92
65) Chlorobenzene	9.78	112	165978	23.706	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	66563	24.262	ug/l	94
67) Ethyl Benzene	9.89	91	282143	24.232	ug/l	97
68) m/p-Xylenes	10.11	106	209925	47.110	ug/l	97
69) o-Xylene	10.70	106	120485	25.340	ug/l	99
70) Styrene	10.77	104	162931	24.222	ug/l	98
71) Bromoform	10.76	173	34421	23.105	ug/l	99
73) Isopropylbenzene	11.11	105	330797	24.324	ug/l	100
74) N-amyl acetate	11.37	43	73098	22.393	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	55343	22.715	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	37378	22.564	ug/l	94
77) Bromobenzene	11.48	156	79098	23.543	ug/l	94
78) n-propylbenzene	11.58	91	381882	24.470	ug/l	99
79) 2-Chlorotoluene	11.71	91	215040	24.603	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	271421	24.971	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	17014m	21.424	ug/l	
82) 4-Chlorotoluene	11.89	91	217926	24.022	ug/l	97
83) tert-Butylbenzene	12.12	119	289011	24.006	ug/l	96
84) 1,2,4-Trimethylbenzene	12.19	105	258279	23.918	ug/l	97
85) sec-Butylbenzene	12.29	105	374555	24.058	ug/l	95
86) p-Isopropyltoluene	12.45	119	328497	25.142	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	155702	23.772	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	150961	23.965	ug/l	97
89) n-Butylbenzene	12.84	91	305000	24.721	ug/l	97
90) Hexachloroethane	12.90	117	76667	25.230	ug/l	88
91) 1,2-Dichlorobenzene	12.93	146	150615	24.176	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8085	20.930	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	103782	23.241	ug/l	96
94) Hexachlorobutadiene	14.18	225	69071	25.045	ug/l	98
95) Naphthalene	14.44	128	180758	23.136	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	95605	23.326	ug/l	93

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

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