

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062096.D
 Acq On : 23 Mar 2019 00:05
 Operator : VA/AP
 Sample : VF0322SBSD02
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 10:25:25 AM

Quant Time: Mar 23 06:47:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	246857	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.62	114	398288	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.80	117	352880	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.57	152	174867	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	107677	58.64	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	117.28%	
35) Dibromofluoromethane	4.14	113	148924	55.27	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	110.54%	
50) Toluene-d8	7.57	98	431188	53.61	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.22%	
62) 4-Bromofluorobenzene	11.43	95	171821	55.34	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	110.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	71228	22.523	ug/l	100
3) Chloromethane	1.10	50	70433	21.285	ug/l	100
4) Vinyl Chloride	1.14	62	65208	21.304	ug/l	99
5) Bromomethane	1.34	94	43121	19.599	ug/l	97
6) Chloroethane	1.40	64	31111	20.191	ug/l	96
7) Trichlorofluoromethane	1.49	101	79245	21.437	ug/l	95
8) Diethyl Ether	1.64	74	16103	19.070	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.84	101	54509	21.614	ug/l	97
10) Methyl Iodide	1.92	142	101676m	21.216	ug/l	
11) Tert butyl alcohol	2.58	59	10811	107.010	ug/l #	92
12) 1,1-Dichloroethene	1.81	96	51257	21.541	ug/l	97
13) Acrolein	2.01	56	13020	107.173	ug/l	98
14) Allyl chloride	2.11	41	50862	20.021	ug/l	94
15) Acrylonitrile	2.97	53	35733	100.582	ug/l	89
16) Acetone	2.26	43	30545	79.041	ug/l	97
17) Carbon Disulfide	1.84	76	153004	21.086	ug/l	96
18) Methyl Acetate	2.36	43	21411	23.227	ug/l	99
19) Methyl tert-butyl Ether	2.44	73	85242	22.666	ug/l	98
20) Methylene Chloride	2.26	84	52877m	20.887	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	45989	20.087	ug/l	91
22) Diisopropyl ether	2.82	45	142512	21.396	ug/l	98
23) Vinyl Acetate	3.21	43	306113	112.248	ug/l	98
24) 1,1-Dichloroethane	2.89	63	85729	21.463	ug/l	99
25) 2-Butanone	4.36	43	78108	96.818	ug/l	96
26) 2,2-Dichloropropane	3.62	77	32974	20.360	ug/l	95
27) cis-1,2-Dichloroethene	3.50	96	67009	22.087	ug/l	94
28) Bromochloromethane	3.73	49	38450	23.560	ug/l	93
29) Tetrahydrofuran	4.11	42	38231	108.993	ug/l	98
30) Chloroform	3.88	83	95328	22.583	ug/l	99
31) Cyclohexane	3.71	56	86371m	20.704	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	58296	22.702	ug/l	95
36) 1,1-Dichloropropene	4.31	75	74254	19.573	ug/l	96
37) Ethyl Acetate	4.15	43	33127	19.981	ug/l #	74
38) Carbon Tetrachloride	4.02	117	51661	19.980	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	84035	19.086	ug/l	99
40) Benzene	4.66	78	210652	20.713	ug/l	100
41) Methacrylonitrile	4.78	41	17720	20.200	ug/l	91
42) 1,2-Dichloroethane	4.97	62	51349	21.351	ug/l	99
43) Isopropyl Acetate	6.99	43	39607	19.726	ug/l #	86
44) Trichloroethene	5.53	130	62384	20.063	ug/l	93
45) 1,2-Dichloropropane	6.26	63	51209	21.111	ug/l	96
46) Dibromomethane	6.11	93	30492	20.559	ug/l	92
47) Bromodichloromethane	6.41	83	68911	20.977	ug/l	98
48) Methyl methacrylate	6.74	41	25264	22.099	ug/l	92
49) 1,4-Dioxane	6.72	88	4743	472.816	ug/l	96
51) 4-Methyl-2-Pentanone	8.28	43	145190	108.037	ug/l	94
52) Toluene	7.65	92	123448	20.957	ug/l	99
53) t-1,3-Dichloropropene	8.30	75	55643	21.576	ug/l	92
54) cis-1,3-Dichloropropene	7.32	75	76452	20.719	ug/l	93
55) 1,1,2-Trichloroethane	8.52	97	35891	21.450	ug/l	94
56) Ethyl methacrylate	8.64	69	45776	22.940	ug/l	94
57) 1,3-Dichloropropane	8.87	76	59921	21.577	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.31	63	33096	109.300	ug/l	97
59) 2-Hexanone	9.51	43	100344	101.878	ug/l	96
60) Dibromochloromethane	8.73	129	49550	21.302	ug/l	94
61) 1,2-Dibromoethane	9.01	107	37684	21.110	ug/l	95
64) Tetrachloroethene	8.17	164	55894	20.502	ug/l	96
65) Chlorobenzene	9.82	112	140902	21.340	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	54514	20.554	ug/l	92
67) Ethyl Benzene	9.92	91	232899	20.283	ug/l	99
68) m/p-Xylenes	10.15	106	178425	41.574	ug/l	92
69) o-Xylene	10.74	106	91590	20.376	ug/l	97
70) Styrene	10.80	104	142037	20.856	ug/l	98
71) Bromoform	10.79	173	25858	19.062	ug/l #	94
73) Isopropylbenzene	11.14	105	277420	22.546	ug/l	94
74) N-amyl acetate	11.39	43	60540	20.648	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.71	83	43646	20.658	ug/l	98
76) 1,2,3-Trichloropropane	11.81	75	29860	20.082	ug/l	94
77) Bromobenzene	11.51	156	62245	20.705	ug/l	89
78) n-propylbenzene	11.61	91	317406	22.215	ug/l	99
79) 2-Chlorotoluene	11.73	91	170930	21.523	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	224732	22.204	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	11405m	18.824	ug/l	
82) 4-Chlorotoluene	11.91	91	178624	21.937	ug/l	97
83) tert-Butylbenzene	12.15	119	229853	21.694	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	217619	21.933	ug/l	96
85) sec-Butylbenzene	12.32	105	284948	20.789	ug/l	99
86) p-Isopropyltoluene	12.47	119	251693	21.196	ug/l	96
87) 1,3-Dichlorobenzene	12.49	146	116673	20.890	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	115921	21.270	ug/l	95
89) n-Butylbenzene	12.86	91	235082	20.750	ug/l	94
90) Hexachloroethane	12.93	117	57816	20.447	ug/l	81
91) 1,2-Dichlorobenzene	12.95	146	113240	21.592	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	6559	20.489	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	76456	20.917	ug/l	95
94) Hexachlorobutadiene	14.21	225	50669	20.849	ug/l	98
95) Naphthalene	14.47	128	135725	21.189	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	68470	20.012	ug/l	98

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

