

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061744.D
 Acq On : 26 Feb 2019 16:06
 Operator : VA/AP
 Sample : VF0226SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 3:19:28 PM

Quant Time: Feb 27 04:27:23 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	4.85	168	298101	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	450555	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	371094	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	213764	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	116548	53.32	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	106.64%	
35) Dibromofluoromethane	4.08	113	169985	50.80	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	101.60%	
50) Toluene-d8	7.53	98	492198	51.17	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.40	95	195584	50.26	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	87284	25.496	ug/l	99
3) Chloromethane	1.09	50	84205	23.443	ug/l	97
4) Vinyl Chloride	1.14	62	77134	23.100	ug/l	96
5) Bromomethane	1.32	94	53521	23.289	ug/l	95
6) Chloroethane	1.39	64	36304	22.062	ug/l	92
7) Trichlorofluoromethane	1.47	101	100076m	24.849	ug/l	
8) Diethyl Ether	1.61	74	21917	21.594	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.83	101	68695	23.644	ug/l #	91
10) Methyl Iodide	1.91	142	123605m	22.272	ug/l	
11) Tert butyl alcohol	2.56	59	12929	102.195	ug/l	94
12) 1,1-Dichloroethene	1.79	96	61231	23.970	ug/l	94
13) Acrolein	1.99	56	12762	80.262	ug/l	94
14) Allyl chloride	2.08	41	60729	19.374	ug/l	96
15) Acrylonitrile	2.93	53	45934	102.361	ug/l	92
16) Acetone	2.23	43	50843	108.402	ug/l	92
17) Carbon Disulfide	1.82	76	181499m	22.604	ug/l	
18) Methyl Acetate	2.33	43	26284	24.876	ug/l	92
19) Methyl tert-butyl Ether	2.41	73	99746	22.848	ug/l	98
20) Methylene Chloride	2.24	84	63966m	24.148	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	49277	17.746	ug/l	99
22) Diisopropyl ether	2.78	45	168697	22.420	ug/l	97
23) Vinyl Acetate	3.17	43	371957	101.211	ug/l	99
24) 1,1-Dichloroethane	2.85	63	101034	22.189	ug/l	98
25) 2-Butanone	4.31	43	98494	96.139	ug/l	92
26) 2,2-Dichloropropane	3.57	77	44062	22.845	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	77566	21.281	ug/l	97
28) Bromochloromethane	3.68	49	43324	19.830	ug/l	91
29) Tetrahydrofuran	4.06	42	41606	89.352	ug/l	96
30) Chloroform	3.84	83	121372	23.439	ug/l	97
31) Cyclohexane	3.66	56	107752m	21.859	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	67335	19.850	ug/l	98
36) 1,1-Dichloropropene	4.26	75	91005	20.390	ug/l	93
37) Ethyl Acetate	4.09	43	35077	16.920	ug/l #	91
38) Carbon Tetrachloride	3.96	117	68118	22.102	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	107133	20.296	ug/l	98
40) Benzene	4.60	78	245775	21.052	ug/l	97
41) Methacrylonitrile	4.72	41	20505	19.341	ug/l #	88
42) 1,2-Dichloroethane	4.92	62	60130	21.532	ug/l	94
43) Isopropyl Acetate	6.94	43	45216	18.426	ug/l #	91
44) Trichloroethene	5.48	130	78056	20.676	ug/l	99
45) 1,2-Dichloropropane	6.21	63	58045	20.569	ug/l	95
46) Dibromomethane	6.06	93	35928	20.678	ug/l	92
47) Bromodichloromethane	6.36	83	83347	21.905	ug/l	95
48) Methyl methacrylate	6.69	41	28817	19.514	ug/l	96
49) 1,4-Dioxane	6.68	88	5235	377.108	ug/l	91
51) 4-Methyl-2-Pentanone	8.24	43	170333	97.145	ug/l	99
52) Toluene	7.60	92	148991	21.043	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	65389	20.649	ug/l	100
54) cis-1,3-Dichloropropene	7.28	75	89250	21.159	ug/l	94
55) 1,1,2-Trichloroethane	8.47	97	41753	20.071	ug/l	98
56) Ethyl methacrylate	8.60	69	44598	19.256	ug/l	97
57) 1,3-Dichloropropane	8.83	76	64257	18.506	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	34415	86.121	ug/l	100
59) 2-Hexanone	9.47	43	122117	99.357	ug/l	98
60) Dibromochloromethane	8.69	129	59085	20.406	ug/l	99
61) 1,2-Dibromoethane	8.96	107	43833	19.427	ug/l	93
64) Tetrachloroethene	8.13	164	67226	22.163	ug/l	96
65) Chlorobenzene	9.78	112	167213	22.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	64897	21.993	ug/l	99
67) Ethyl Benzene	9.88	91	269824	21.546	ug/l	97
68) m/p-Xylenes	10.11	106	220294	45.965	ug/l	99
69) o-Xylene	10.70	106	117051	22.888	ug/l	93
70) Styrene	10.77	104	159033	21.982	ug/l	95
71) Bromoform	10.75	173	31007	19.351	ug/l	99
73) Isopropylbenzene	11.11	105	328906	21.611	ug/l	100
74) N-amyl acetate	11.36	43	78794	21.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	55982	20.531	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	36303	19.583	ug/l	99
77) Bromobenzene	11.48	156	81445	21.661	ug/l	95
78) n-propylbenzene	11.58	91	383744	21.972	ug/l	100
79) 2-Chlorotoluene	11.70	91	219683	22.460	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	277810	22.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	17365m	19.539	ug/l	
82) 4-Chlorotoluene	11.89	91	214782	21.156	ug/l	99
83) tert-Butylbenzene	12.12	119	312033	23.160	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	276104	22.847	ug/l	100
85) sec-Butylbenzene	12.29	105	393602	22.591	ug/l	98
86) p-Isopropyltoluene	12.45	119	327397	22.391	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	157560	21.495	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	147232	20.886	ug/l	99
89) n-Butylbenzene	12.83	91	318976	23.102	ug/l	98
90) Hexachloroethane	12.90	117	80303	23.614	ug/l	100
91) 1,2-Dichlorobenzene	12.92	146	146101	20.955	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	7835	18.124	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	110947	22.201	ug/l	98
94) Hexachlorobutadiene	14.18	225	74070	23.999	ug/l	99
95) Naphthalene	14.44	128	175143	20.031	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	102656	22.381	ug/l	98

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

