

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062243.D
 Acq On : 22 Apr 2019 14:31
 Operator : FY/SY
 Sample : VF0422SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 9:22:25 AM

Quant Time: Apr 23 01:34:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	438618	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	573416	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	448607	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	251726	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	205995	51.22	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	4.32	113	269793	53.79	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.58%	
50) Toluene-d8	7.72	98	643620	50.69	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.50	95	257477	52.71	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	139005	20.854	ug/l	99
3) Chloromethane	1.14	50	122575	17.791	ug/l	99
4) Vinyl Chloride	1.19	62	112473	19.002	ug/l	96
5) Bromomethane	1.39	94	67759	19.706	ug/l	88
6) Chloroethane	1.45	64	50433	20.381	ug/l	94
7) Trichlorofluoromethane	1.55	101	154831	20.590	ug/l	95
8) Diethyl Ether	1.71	74	27148	17.346	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.92	101	105931	20.621	ug/l	99
10) Methyl Iodide	1.99	142	183087m	20.062	ug/l	
11) Tert butyl alcohol	2.70	59	24376	87.192	ug/l #	92
12) 1,1-Dichloroethene	1.87	96	99603	20.385	ug/l	98
13) Acrolein	2.10	56	11907	69.489	ug/l	86
14) Allyl chloride	2.20	41	118803	21.187	ug/l	96
15) Acrylonitrile	3.08	53	80019	93.975	ug/l	99
16) Acetone	2.35	43	85894	89.348	ug/l	93
17) Carbon Disulfide	1.91	76	255370m	18.809	ug/l	
18) Methyl Acetate	2.46	43	39300	14.878	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	165085	19.136	ug/l	96
20) Methylene Chloride	2.35	84	102921m	17.761	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	88133	18.240	ug/l	99
22) Diisopropyl ether	2.94	45	272367	18.989	ug/l	99
23) Vinyl Acetate	3.35	43	609117	89.131	ug/l	99
24) 1,1-Dichloroethane	3.02	63	147457	18.793	ug/l	99
25) 2-Butanone	4.53	43	164642	85.651	ug/l	99
26) 2,2-Dichloropropane	3.77	77	80459	20.311	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	109395	17.483	ug/l	98
28) Bromochloromethane	3.91	49	63434	16.877	ug/l #	96
29) Tetrahydrofuran	4.28	42	70792	81.363	ug/l	98
30) Chloroform	4.06	83	181217	18.793	ug/l	94
31) Cyclohexane	3.88	56	162691	17.302	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	118685	16.814	ug/l #	83
36) 1,1-Dichloropropene	4.47	75	145959	21.231	ug/l	99
37) Ethyl Acetate	4.31	43	59662	18.391	ug/l #	99
38) Carbon Tetrachloride	4.19	117	125227	20.579	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	170291	20.688	ug/l	97
40) Benzene	4.83	78	379874	21.066	ug/l	99
41) Methacrylonitrile	4.94	41	38654	20.656	ug/l	95
42) 1,2-Dichloroethane	5.13	62	104086	21.834	ug/l	97
43) Isopropyl Acetate	7.13	43	63884	18.723	ug/l	96
44) Trichloroethene	5.69	130	105879	21.729	ug/l	99
45) 1,2-Dichloropropane	6.42	63	75546	19.019	ug/l	92
46) Dibromomethane	6.27	93	52469	19.854	ug/l	90
47) Bromodichloromethane	6.55	83	124726	20.914	ug/l	99
48) Methyl methacrylate	6.88	41	42964	19.160	ug/l	97
49) 1,4-Dioxane	6.88	88	8520	331.308	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	251299	99.021	ug/l	99
52) Toluene	7.79	92	196216	20.642	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	91177	20.355	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	122043	20.143	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	56091	21.064	ug/l	95
56) Ethyl methacrylate	8.76	69	62944	20.790	ug/l	96
57) 1,3-Dichloropropane	9.00	76	89347	20.779	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.45	63	76948	87.541	ug/l	92
59) 2-Hexanone	9.63	43	160373	101.417	ug/l	97
60) Dibromochloromethane	8.86	129	90049	22.739	ug/l	98
61) 1,2-Dibromoethane	9.14	107	63246	21.082	ug/l	95
64) Tetrachloroethene	8.31	164	92580	22.861	ug/l	95
65) Chlorobenzene	9.94	112	200186	20.928	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	101314	22.617	ug/l	97
67) Ethyl Benzene	10.03	91	373752	21.488	ug/l	99
68) m/p-Xylenes	10.26	106	281601	43.979	ug/l	98
69) o-Xylene	10.82	106	152292	21.422	ug/l	91
70) Styrene	10.89	104	213840	21.315	ug/l	100
71) Bromoform	10.88	173	52713	22.288	ug/l #	95
73) Isopropylbenzene	11.22	105	465242	21.516	ug/l	100
74) N-amyl acetate	11.45	43	103053	18.712	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	72388	19.466	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	45891	17.937	ug/l #	64
77) Bromobenzene	11.58	156	102080	22.037	ug/l	91
78) n-propylbenzene	11.68	91	473175	20.743	ug/l	100
79) 2-Chlorotoluene	11.80	91	288807	20.872	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	386322	21.451	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	23864m	18.289	ug/l	
82) 4-Chlorotoluene	11.98	91	264561	19.784	ug/l	95
83) tert-Butylbenzene	12.20	119	421128	22.612	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	376072	21.579	ug/l	100
85) sec-Butylbenzene	12.37	105	521006	21.548	ug/l	100
86) p-Isopropyltoluene	12.52	119	456366	22.250	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	188777	21.961	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	174401	21.034	ug/l	99
89) n-Butylbenzene	12.90	91	423935	22.252	ug/l	98
90) Hexachloroethane	12.97	117	114849	21.806	ug/l	93
91) 1,2-Dichlorobenzene	13.00	146	180374	21.732	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	13757	18.829	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	163508	23.545	ug/l	95
94) Hexachlorobutadiene	14.23	225	113407	23.816	ug/l	99
95) Naphthalene	14.50	128	258430	21.283	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	153274	22.990	ug/l	99

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

