

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062839.D
 Acq On : 4 Jun 2019 15:24
 Operator : FY/SY
 Sample : VF0604SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0604SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 8:48:59 AM

Quant Time: Jun 05 05:50:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	863907	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1464359	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	1123424	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	523553	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	315227	52.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.54%	
35) Dibromofluoromethane	4.31	113	559570	50.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	7.71	98	1330213	47.54	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.50	95	483443	48.03	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	239734	22.124	ug/l	97
3) Chloromethane	1.15	50	194804	21.793	ug/l	99
4) Vinyl Chloride	1.20	62	189268	21.307	ug/l	98
5) Bromomethane	1.40	94	101999	20.134	ug/l	91
6) Chloroethane	1.45	64	66031	19.882	ug/l	92
7) Trichlorofluoromethane	1.56	101	257049	20.441	ug/l	97
8) Diethyl Ether	1.72	74	47219	19.085	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.92	101	168127	21.265	ug/l	95
10) Methyl Iodide	1.98	142	338469	21.351	ug/l	98
11) Tert butyl alcohol	2.71	59	36823	101.750	ug/l	99
12) 1,1-Dichloroethene	1.89	96	147092	20.489	ug/l	89
13) Acrolein	2.10	56	11881	76.500	ug/l	95
14) Allyl chloride	2.20	41	116035	20.834	ug/l	94
15) Acrylonitrile	3.09	53	101273	74.473	ug/l	96
16) Acetone	2.35	43	110910	81.116	ug/l	97
17) Carbon Disulfide	1.93	76	411666	19.619	ug/l	95
18) Methyl Acetate	2.47	43	43487	18.200	ug/l	90
19) Methyl tert-butyl Ether	2.56	73	255292	19.628	ug/l	99
20) Methylene Chloride	2.35	84	148959m	19.962	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	151379	21.030	ug/l	98
22) Diisopropyl ether	2.94	45	304192	19.224	ug/l	97
23) Vinyl Acetate	3.35	43	1094688	101.052	ug/l	98
24) 1,1-Dichloroethane	3.01	63	246634	20.876	ug/l	96
25) 2-Butanone	4.54	43	287146	90.180	ug/l	97
26) 2,2-Dichloropropane	3.78	77	149253	22.249	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	252253	20.848	ug/l	96
28) Bromochloromethane	3.91	49	124150	19.318	ug/l	97
29) Tetrahydrofuran	4.27	42	126191	103.618	ug/l	99
30) Chloroform	4.05	83	365798	21.969	ug/l	95
31) Cyclohexane	3.89	56	328963	20.566	ug/l	93
32) 1,1,1-Trichloroethane	4.30	97	239111	24.664	ug/l	97
36) 1,1-Dichloropropene	4.48	75	281860	20.908	ug/l	97
37) Ethyl Acetate	4.30	43	106199	20.608	ug/l #	69
38) Carbon Tetrachloride	4.19	117	195027	21.406	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	348132	20.749	ug/l	95
40) Benzene	4.82	78	828954	21.128	ug/l	99
41) Methacrylonitrile	4.94	41	55109	19.237	ug/l #	88
42) 1,2-Dichloroethane	5.13	62	152918	20.493	ug/l	98
43) Isopropyl Acetate	7.11	43	135876	19.960	ug/l #	91
44) Trichloroethene	5.69	130	238344	21.525	ug/l	98
45) 1,2-Dichloropropane	6.41	63	195817	19.889	ug/l	100
46) Dibromomethane	6.26	93	120256	20.920	ug/l	87
47) Bromodichloromethane	6.56	83	238590	20.381	ug/l	94
48) Methyl methacrylate	6.88	41	69776	19.889	ug/l	96
49) 1,4-Dioxane	6.87	88	18258	394.822	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	492207	101.275	ug/l	99
52) Toluene	7.78	92	446121	21.111	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	195410	20.144	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	290116	20.660	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	130899	20.734	ug/l	96
56) Ethyl methacrylate	8.76	69	142979	21.108	ug/l	95
57) 1,3-Dichloropropane	8.99	76	225466	21.870	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	260317	109.961	ug/l	93
59) 2-Hexanone	9.62	43	364855	105.324	ug/l	99
60) Dibromochloromethane	8.87	129	160451	20.529	ug/l	98
61) 1,2-Dibromoethane	9.13	107	137366	20.951	ug/l	99
64) Tetrachloroethene	8.30	164	181159	20.985	ug/l	94
65) Chlorobenzene	9.93	112	462208	21.305	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	179306	20.752	ug/l	98
67) Ethyl Benzene	10.03	91	831758	22.341	ug/l	98
68) m/p-Xylenes	10.26	106	596380	41.862	ug/l	85
69) o-Xylene	10.82	106	293195	20.327	ug/l	92
70) Styrene	10.89	104	452039	21.262	ug/l	98
71) Bromoform	10.88	173	80933	19.526	ug/l #	99
73) Isopropylbenzene	11.21	105	790710	21.645	ug/l	93
74) N-amyl acetate	11.45	43	214297	20.813	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	151681	19.443	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	101497	19.627	ug/l	91
77) Bromobenzene	11.58	156	188565	20.543	ug/l	80
78) n-propylbenzene	11.67	91	935529	21.209	ug/l	94
79) 2-Chlorotoluene	11.79	91	472137	18.707	ug/l	89
80) 1,3,5-Trimethylbenzene	11.89	105	623160	20.859	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	44467m	20.311	ug/l	
82) 4-Chlorotoluene	11.97	91	527392	21.263	ug/l	95
83) tert-Butylbenzene	12.20	119	637297	21.529	ug/l	92
84) 1,2,4-Trimethylbenzene	12.27	105	608095	21.468	ug/l	94
85) sec-Butylbenzene	12.36	105	856250	21.951	ug/l	94
86) p-Isopropyltoluene	12.51	119	705716	21.736	ug/l	94
87) 1,3-Dichlorobenzene	12.53	146	339595	20.978	ug/l	95
88) 1,4-Dichlorobenzene	12.62	146	315075	20.856	ug/l	96
89) n-Butylbenzene	12.90	91	713106	21.834	ug/l	90
90) Hexachloroethane	12.98	117	169299	21.380	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	297720	20.924	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15605	18.360	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	198653	20.334	ug/l	95
94) Hexachlorobutadiene	14.23	225	140931	20.853	ug/l	97
95) Naphthalene	14.49	128	325658	20.347	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	177364	19.889	ug/l	97

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

