

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062191.D
 Acq On : 17 Apr 2019 17:40
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:53:10 AM

Quant Time: Apr 18 07:02:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	408734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	580940	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	438056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	250574	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	36146	6.64	ug/l	0.00
Spiked Amount			Recovery	=	13.28%	
35) Dibromofluoromethane	4.30	113	53019	13.31	ug/l	0.00
Spiked Amount			Recovery	=	26.62%	
50) Toluene-d8	7.70	98	128465	8.84	ug/l	0.00
Spiked Amount			Recovery	=	17.68%	
62) 4-Bromofluorobenzene	11.48	95	49094	9.52	ug/l	0.00
Spiked Amount			Recovery	=	19.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	67036	13.675	ug/l	97
3) Chloromethane	1.14	50	67400	11.409	ug/l	90
4) Vinyl Chloride	1.18	62	58867	10.476	ug/l	98
5) Bromomethane	1.40	94	35213	9.523	ug/l	96
6) Chloroethane	1.44	64	24814	7.823	ug/l	95
7) Trichlorofluoromethane	1.55	101	72501	10.863	ug/l	98
8) Diethyl Ether	1.70	74	14735	5.293	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.91	101	49451	11.429	ug/l	97
10) Methyl Iodide	1.98	142	88963	17.785	ug/l #	91
11) Tert butyl alcohol	2.70	59	13460	12.411	ug/l #	88
12) 1,1-Dichloroethene	1.86	96	46477	10.478	ug/l	98
13) Acrolein	2.10	56	9244	10.226	ug/l #	76
14) Allyl chloride	2.19	41	54256	6.153	ug/l	96
15) Acrylonitrile	3.07	53	38580	13.503	ug/l	96
16) Acetone	2.34	43	47204	17.806	ug/l	96
17) Carbon Disulfide	1.92	76	129321	9.423	ug/l	96
18) Methyl Acetate	2.45	43	26511	3.980	ug/l #	88
19) Methyl tert-butyl Ether	2.54	73	78033	5.402	ug/l	96
20) Methylene Chloride	2.33	84	68780m	13.500	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	46255	9.844	ug/l	97
22) Diisopropyl ether	2.93	45	138519	7.789	ug/l	98
23) Vinyl Acetate	3.34	43	324545	22.017	ug/l	100
24) 1,1-Dichloroethane	3.00	63	75634	8.392	ug/l	98
25) 2-Butanone	4.51	43	89651	20.920	ug/l	97
26) 2,2-Dichloropropane	3.76	77	38525	5.970	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	59025	10.801	ug/l	100
28) Bromochloromethane	3.88	49	35953	8.532	ug/l #	99
29) Tetrahydrofuran	4.26	42	43569	15.445	ug/l	96
30) Chloroform	4.04	83	88765	10.432	ug/l	99
31) Cyclohexane	3.86	56	91331	9.993	ug/l	90
32) 1,1,1-Trichloroethane	4.28	97	69585	10.447	ug/l #	89
36) 1,1-Dichloropropene	4.45	75	69964	11.233	ug/l	99
37) Ethyl Acetate	4.29	43	36225	5.200	ug/l #	98
38) Carbon Tetrachloride	4.17	117	61053	11.732	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	85277	11.339	ug/l	94
40) Benzene	4.81	78	189346	10.601	ug/l	99
41) Methacrylonitrile	4.92	41	18088	4.490	ug/l #	87
42) 1,2-Dichloroethane	5.11	62	48476	7.972	ug/l	99
43) Isopropyl Acetate	7.10	43	32280	2.941	ug/l #	99
44) Trichloroethene	5.67	130	52135	11.635	ug/l	96
45) 1,2-Dichloropropane	6.39	63	40519	8.484	ug/l	94
46) Dibromomethane	6.25	93	26987	9.427	ug/l	98
47) Bromodichloromethane	6.54	83	60811	10.702	ug/l	98
48) Methyl methacrylate	6.87	41	21162	3.843	ug/l	97
49) 1,4-Dioxane	6.86	88	5100	49.967	ug/l #	85
51) 4-Methyl-2-Pentanone	8.39	43	130386	18.490	ug/l	99
52) Toluene	7.76	92	96503	9.146	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	45107	7.378	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	62297	8.844	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	27249	6.853	ug/l	98
56) Ethyl methacrylate	8.74	69	29709	4.375	ug/l #	85
57) 1,3-Dichloropropane	8.98	76	42517	6.067	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.43	63	41836	11.800	ug/l	99
59) 2-Hexanone	9.61	43	82795	15.390	ug/l	93
60) Dibromochloromethane	8.85	129	38771	9.646	ug/l	98
61) 1,2-Dibromoethane	9.13	107	29132	7.042	ug/l	95
64) Tetrachloroethene	8.30	164	40758	11.788	ug/l	92
65) Chlorobenzene	9.91	112	95175	10.096	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	46709	13.513	ug/l	98
67) Ethyl Benzene	10.01	91	170177	10.026	ug/l	94
68) m/p-Xylenes	10.25	106	131398	21.276	ug/l	95
69) o-Xylene	10.81	106	72283	11.673	ug/l	95
70) Styrene	10.88	104	103003	10.039	ug/l	99
71) Bromoform	10.87	173	24100	9.480	ug/l #	99
73) Isopropylbenzene	11.21	105	222251	11.363	ug/l	96
74) N-amyl acetate	11.44	43	59614	5.980	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.76	83	36539	5.651	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	25520	4.568	ug/l #	64
77) Bromobenzene	11.57	156	44316	9.217	ug/l	97
78) n-propylbenzene	11.66	91	234493	10.706	ug/l	98
79) 2-Chlorotoluene	11.79	91	141524	10.626	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	184080	11.261	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.92	75	11634m	5.320	ug/l	
82) 4-Chlorotoluene	11.96	91	134926	9.010	ug/l	98
83) tert-Butylbenzene	12.19	119	195733	12.262	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	181164	11.019	ug/l	95
85) sec-Butylbenzene	12.36	105	254504	13.161	ug/l	97
86) p-Isopropyltoluene	12.51	119	215653	12.361	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	88362	10.476	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	83842	9.827	ug/l	98
89) n-Butylbenzene	12.89	91	217397	13.572	ug/l	96
90) Hexachloroethane	12.96	117	52386	16.376	ug/l	99
91) 1,2-Dichlorobenzene	12.99	146	85131	10.230	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	6910	4.749	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	74426	12.106	ug/l	98
94) Hexachlorobutadiene	14.22	225	48921	14.803	ug/l	99
95) Naphthalene	14.49	128	119592	6.609	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	67136	10.998	ug/l	98

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

