

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062767.D
 Acq On : 28 May 2019 18:21
 Operator : FY/SY
 Sample : K3072-03
 Misc : 5.38g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3

Quant Time: May 29 01:49:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	35337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	40117	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	22310	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	2692	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	4076	16.32	ug/l	0.03
Spiked Amount			Recovery	=	32.64%	
35) Dibromofluoromethane	4.33	113	8178	26.64	ug/l	0.02
Spiked Amount			Recovery	=	53.28%	
50) Toluene-d8	7.73	98	30421	41.51	ug/l	0.02
Spiked Amount			Recovery	=	83.02%	
62) 4-Bromofluorobenzene	11.51	95	4634	16.67	ug/l	0.00
Spiked Amount			Recovery	=	33.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.14	50	571	1.290	ug/l #	40
5) Bromomethane	1.47	94	514	2.305	ug/l	84
6) Chloroethane	1.36	64	569	3.801	ug/l	100
8) Diethyl Ether	1.77	74	276	2.546	ug/l	49
11) Tert butyl alcohol	2.68	59	344	20.866	ug/l #	1
13) Acrolein	2.14	56	271	15.748	ug/l #	20
14) Allyl chloride	2.17	41	302	1.051	ug/l #	81
15) Acrylonitrile	3.09	53	281	6.042	ug/l #	21
16) Acetone	2.37	43	1043	16.100	ug/l #	47
18) Methyl Acetate	2.48	43	557	5.471	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	679	1.197	ug/l #	1
21) trans-1,2-Dichloroethene	2.44	96	319	1.028	ug/l #	56
22) Diisopropyl ether	2.98	45	758	1.070	ug/l #	58
24) 1,1-Dichloroethane	3.06	63	698	1.343	ug/l #	1
25) 2-Butanone	4.56	43	723	5.224	ug/l	98
26) 2,2-Dichloropropane	3.87	77	434	1.459	ug/l	76
27) cis-1,2-Dichloroethene	3.65	96	640	1.254	ug/l	1
29) Tetrahydrofuran	4.26	42	946	16.890	ug/l #	56
31) Cyclohexane	3.87	56	811	1.162	ug/l #	25
36) 1,1-Dichloropropene	4.48	75	502	1.221	ug/l #	58
37) Ethyl Acetate	4.30	43	290	1.728	ug/l #	9
41) Methacrylonitrile	4.95	41	1247	14.171	ug/l #	50
43) Isopropyl Acetate	7.12	43	1227	5.643	ug/l #	42
44) Trichloroethene	5.71	130	428	1.360	ug/l	68
45) 1,2-Dichloropropane	6.40	63	639	2.260	ug/l	96
46) Dibromomethane	6.27	93	319	1.953	ug/l #	37
47) Bromodichloromethane	6.54	83	570	1.681	ug/l #	25
48) Methyl methacrylate	6.85	41	687	6.045	ug/l #	40
49) 1,4-Dioxane	6.90	88	118	81.061	ug/l #	1
51) 4-Methyl-2-Pentanone	8.43	43	882	5.934	ug/l	95
56) Ethyl methacrylate	8.77	69	648	3.128	ug/l #	4
58) 2-Chloroethyl Vinyl ether	7.45	63	164	2.432	ug/l #	51
59) 2-Hexanone	9.64	43	899	Below Cal		62
60) Dibromochloromethane	8.89	129	227	1.002	ug/l	57

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

61) 1,2-Dibromoethane	9.12	107	325	1.760	ug/l #	44
64) Tetrachloroethene	8.33	164	184	1.041	ug/l #	1
65) Chlorobenzene	9.91	112	545	1.244	ug/l #	41
68) m/p-Xylenes	10.28	106	628	2.195	ug/l	90
70) Styrene	10.92	104	490	1.094	ug/l #	58
73) Isopropylbenzene	11.22	105	625	3.239	ug/l #	45
74) N-amyl acetate	11.45	43	1028	17.425	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	11.78	83	72	1.826	ug/l #	1
76) 1,2,3-Trichloropropane	12.01	75	202	7.797	ug/l	85
77) Bromobenzene	11.60	156	258	5.380	ug/l #	1
78) n-propylbenzene	11.68	91	605	2.650	ug/l #	50
79) 2-Chlorotoluene	11.80	91	139	1.080	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.82	105	467	3.019	ug/l	68
81) trans-1,4-Dichloro-2-buten	11.93	75	70	6.078	ug/l #	12
82) 4-Chlorotoluene	12.04	91	222	1.749	ug/l	74
83) tert-Butylbenzene	12.22	119	398	2.536	ug/l #	32
84) 1,2,4-Trimethylbenzene	12.29	105	585	3.907	ug/l #	55
85) sec-Butylbenzene	12.38	105	366	1.738	ug/l #	65
86) p-Isopropyltoluene	12.55	119	552	3.110	ug/l #	49
87) 1,3-Dichlorobenzene	12.56	146	124	1.429	ug/l #	23
90) Hexachloroethane	13.00	117	69	1.620	ug/l #	20
91) 1,2-Dichlorobenzene	13.00	146	84	1.086	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.73	75	319	67.817	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.24	180	93	1.680	ug/l #	11
94) Hexachlorobutadiene	14.27	225	73	1.889	ug/l #	26
96) 1,2,3-Trichlorobenzene	14.68	180	69	1.316	ug/l #	66

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

