

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062733.D
 Acq On : 23 May 2019 18:10
 Operator : FY/SY
 Sample : K3019-04
 Misc : 5.21g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200036

Quant Time: May 24 02:16:14 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	5.06	168	92300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	109536	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	53060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	12617	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	9799	15.02	ug/l	0.00
Spiked Amount			Recovery	=	30.04%	
35) Dibromofluoromethane	4.32	113	22752	27.14	ug/l	0.00
Spiked Amount			Recovery	=	54.28%	
50) Toluene-d8	7.72	98	82546	41.25	ug/l	0.00
Spiked Amount			Recovery	=	82.50%	
62) 4-Bromofluorobenzene	11.49	95	14322	18.87	ug/l	0.00
Spiked Amount			Recovery	=	37.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.43	94	798	1.370	ug/l #	41
6) Chloroethane	1.37	64	485	1.240	ug/l	92
8) Diethyl Ether	1.73	74	533	1.882	ug/l	68
11) Tert butyl alcohol	2.67	59	594	13.794	ug/l #	70
12) 1,1-Dichloroethene	1.86	96	2508	3.025	ug/l #	7
13) Acrolein	2.09	56	2017	44.872	ug/l	98
15) Acrylonitrile	3.10	53	244	2.009	ug/l #	16
16) Acetone	2.45	43	995	5.880	ug/l	97
18) Methyl Acetate	2.45	43	995	3.742	ug/l #	52
20) Methylene Chloride	2.31	84	4168	4.914	ug/l #	87
25) 2-Butanone	4.52	43	2175	6.016	ug/l #	50
29) Tetrahydrofuran	4.26	42	746	5.099	ug/l #	80
37) Ethyl Acetate	4.31	43	1247	2.721	ug/l #	25
41) Methacrylonitrile	5.01	41	1951	8.120	ug/l #	60
43) Isopropyl Acetate	7.07	43	1217	2.050	ug/l #	43
46) Dibromomethane	6.25	93	526	1.179	ug/l #	25
48) Methyl methacrylate	6.90	41	1488	4.795	ug/l #	35
49) 1,4-Dioxane	6.87	88	123	30.946	ug/l #	69
51) 4-Methyl-2-Pentanone	8.39	43	427	1.052	ug/l #	32
58) 2-Chloroethyl Vinyl ether	7.46	63	279	1.515	ug/l #	1
59) 2-Hexanone	9.66	43	1719	Below Cal	#	23
73) Isopropylbenzene	11.21	105	1194	1.320	ug/l	88
74) N-amyl acetate	11.46	43	1100	Below Cal	#	61
75) 1,1,2,2-Tetrachloroethane	11.75	83	1515	8.198	ug/l #	42
76) 1,2,3-Trichloropropane	11.88	75	663	5.460	ug/l #	67
78) n-propylbenzene	11.67	91	2270	2.121	ug/l #	73
79) 2-Chlorotoluene	11.78	91	667	1.106	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.90	105	3686	5.083	ug/l	84
81) trans-1,4-Dichloro-2-buten	11.96	75	648	12.006	ug/l #	40
83) tert-Butylbenzene	12.20	119	904	1.229	ug/l	76
84) 1,2,4-Trimethylbenzene	12.27	105	9661	13.766	ug/l	84
85) sec-Butylbenzene	12.37	105	2743	2.778	ug/l #	45
86) p-Isopropyltoluene	12.52	119	2185	2.626	ug/l	93
89) n-Butylbenzene	12.89	91	1394	1.699	ug/l #	58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	12.97	117	255	1.278	ug/l #	20
91) 1,2-Dichlorobenzene	12.97	146	452	1.247	ug/l #	43
92) 1,2-Dibromo-3-Chloropropan	13.69	75	225	10.206	ug/l #	17

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

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