

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062825.D
 Acq On : 3 Jun 2019 13:32
 Operator : FY/SY
 Sample : K3097-20RE
 Misc : 5.02g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 0440-PR-3(PASSAIC)RE

Quant Time: Jun 04 08:50:28 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	5.07	168	24060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	25447	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.93	117	10612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	197	50.00	ug/l	-0.05

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	2835	17.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.08%	
35) Dibromofluoromethane	4.30	113	6424	33.41	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	66.82%	
50) Toluene-d8	7.73	98	18422	37.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.78%	
62) 4-Bromofluorobenzene	11.46	95	268	1.53	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	3.06%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.03	85	241	Below Cal	#	39
3) Chloromethane	1.11	50	1100	4.419	ug/l #	78
4) Vinyl Chloride	1.22	62	497	2.009	ug/l #	42
5) Bromomethane	1.42	94	920	6.521	ug/l #	34
6) Chloroethane	1.44	64	396	4.281	ug/l #	1
8) Diethyl Ether	1.61	74	590	8.563	ug/l	79
11) Tert butyl alcohol	2.67	59	857	85.029	ug/l #	56
12) 1,1-Dichloroethene	1.90	96	520	2.601	ug/l #	12
13) Acrolein	1.95	56	323	74.475	ug/l	99
14) Allyl chloride	2.22	41	1004	6.473	ug/l #	29
15) Acrylonitrile	3.16	53	387	10.219	ug/l #	60
16) Acetone	2.47	43	742	19.485	ug/l	98
17) Carbon Disulfide	1.86	76	6820	11.671	ug/l #	85
18) Methyl Acetate	2.47	43	788	11.842	ug/l #	47
19) Methyl tert-butyl Ether	2.59	73	401	1.107	ug/l	99
20) Methylene Chloride	2.36	84	419	Below Cal	#	1
21) trans-1,2-Dichloroethene	2.43	96	773	3.856	ug/l #	45
22) Diisopropyl ether	2.94	45	1065	2.417	ug/l #	85
23) Vinyl Acetate	3.37	43	1137	3.769	ug/l #	73
24) 1,1-Dichloroethane	2.99	63	355	1.079	ug/l #	1
25) 2-Butanone	4.55	43	1748	19.711	ug/l #	48
26) 2,2-Dichloropropane	3.75	77	904	4.839	ug/l	100
27) cis-1,2-Dichloroethene	3.67	96	1550	4.600	ug/l	66
28) Bromochloromethane	3.90	49	512	2.861	ug/l #	41
29) Tetrahydrofuran	4.29	42	1006	29.660	ug/l #	63
31) Cyclohexane	3.86	56	782	1.755	ug/l #	23
32) 1,1,1-Trichloroethane	4.33	97	472	1.748	ug/l #	22
36) 1,1-Dichloropropene	4.44	75	798	3.406	ug/l	95
37) Ethyl Acetate	4.33	43	422	4.712	ug/l #	21
39) Methylcyclohexane	5.67	83	422	1.447	ug/l #	26
40) Benzene	4.82	78	1042	1.528	ug/l #	16
41) Methacrylonitrile	4.96	41	840	16.873	ug/l #	25
42) 1,2-Dichloroethane	5.16	62	249	1.920	ug/l	69
43) Isopropyl Acetate	7.11	43	1503	12.705	ug/l #	38

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	6.27	93	165	1.652	ug/l #	56
48) Methyl methacrylate	6.87	41	736	12.072	ug/l #	13
49) 1,4-Dioxane	6.86	88	342	425.584	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	859	10.171	ug/l	98
53) t-1,3-Dichloropropene	8.47	75	729	4.324	ug/l	93
56) Ethyl methacrylate	8.76	69	123	1.045	ug/l #	1
57) 1,3-Dichloropropane	9.00	76	414	2.311	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.43	63	431	10.477	ug/l #	51
59) 2-Hexanone	9.63	43	795	13.206	ug/l #	22
60) Dibromochloromethane	8.69	129	147	1.082	ug/l	92
61) 1,2-Dibromoethane	9.20	107	250	2.194	ug/l	87
65) Chlorobenzene	9.97	112	230	1.122	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.09	131	332	4.068	ug/l	95
67) Ethyl Benzene	10.03	91	960	2.730	ug/l	93
68) m/p-Xylenes	10.30	106	377	2.801	ug/l	97
69) o-Xylene	10.83	106	228	1.673	ug/l	91
70) Styrene	10.88	104	453	2.256	ug/l #	1
71) Bromoform	10.87	173	260	6.641	ug/l #	28
73) Isopropylbenzene	11.24	105	316	22.989	ug/l #	44
74) N-amyl acetate	11.48	43	708	182.749	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	11.80	83	114	38.836	ug/l #	30
76) 1,2,3-Trichloropropane	11.89	75	199	102.272	ug/l #	1
77) Bromobenzene	11.55	156	61	17.662	ug/l	88
78) n-propylbenzene	11.71	91	417	25.125	ug/l	96
79) 2-Chlorotoluene	11.80	91	1095	115.302	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.81	105	233	20.727	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.95	75	675	819.387	ug/l #	57
82) 4-Chlorotoluene	12.14	91	384	41.144	ug/l	92
83) tert-Butylbenzene	12.21	119	301	27.023	ug/l #	58
84) 1,2,4-Trimethylbenzene	12.27	105	103	9.664	ug/l	82
85) sec-Butylbenzene	12.37	105	994	67.724	ug/l #	55
86) p-Isopropyltoluene	12.54	119	378	30.941	ug/l #	39
87) 1,3-Dichlorobenzene	12.59	146	65	10.671	ug/l #	23
88) 1,4-Dichlorobenzene	12.76	146	105	18.471	ug/l	66
89) n-Butylbenzene	12.90	91	578	47.033	ug/l #	42
90) Hexachloroethane	12.99	117	110	36.917	ug/l	76
91) 1,2-Dichlorobenzene	12.99	146	114	21.293	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.69	75	85	265.784	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.20	180	107	29.108	ug/l #	10
94) Hexachlorobutadiene	14.20	225	73	28.706	ug/l #	19
95) Naphthalene	14.49	128	387	64.261	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.64	180	76	22.649	ug/l #	11

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

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