

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062666.D
 Acq On : 20 May 2019 17:49
 Operator : FY/SY
 Sample : K2894-17
 Misc : 5.10µ/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-02-9-10

Quant Time: May 21 02:01:28 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	5.08	168	1460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	601	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	329	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.59	152	451	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.10	65	498	48.27	ug/l	0.06
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	4.33	113	501	108.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.88%	
50) Toluene-d8	7.74	98	72	6.56	ug/l	0.02
Spiked Amount	50.000		Recovery	=	13.12%	
62) 4-Bromofluorobenzene	11.51	95	350	84.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	203	10.217	ug/l	81
3) Chloromethane	1.13	50	330	18.038	ug/l	90
4) Vinyl Chloride	1.27	62	313	18.587	ug/l	99
5) Bromomethane	1.41	94	151	16.391	ug/l	96
6) Chloroethane	1.45	64	618	99.924	ug/l #	35
7) Trichlorofluoromethane	1.55	101	567	25.076	ug/l #	21
8) Diethyl Ether	1.73	74	429	95.771	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	1.94	101	68	4.723	ug/l #	19
10) Methyl Iodide	1.95	142	161	5.692	ug/l #	67
11) Tert butyl alcohol	2.68	59	975	1431.419	ug/l #	22
12) 1,1-Dichloroethene	1.87	96	151	11.513	ug/l #	1
13) Acrolein	2.09	56	797	1120.932	ug/l #	78
14) Allyl chloride	2.22	41	325	27.379	ug/l #	71
15) Acrylonitrile	3.09	53	426	221.715	ug/l #	18
16) Acetone	2.35	43	1203	449.454	ug/l	92
17) Carbon Disulfide	1.93	76	537	13.814	ug/l #	1
18) Methyl Acetate	2.30	43	561	133.379	ug/l	91
19) Methyl tert-butyl Ether	2.41	73	1016	43.333	ug/l	93
20) Methylene Chloride	2.35	84	229	17.069	ug/l #	43
21) trans-1,2-Dichloroethene	2.42	96	790	61.625	ug/l #	1
22) Diisopropyl ether	2.94	45	794	27.121	ug/l #	20
23) Vinyl Acetate	3.38	43	1126	57.015	ug/l #	73
24) 1,1-Dichloroethane	3.01	63	486	22.628	ug/l #	1
25) 2-Butanone	4.46	43	924	161.581	ug/l	95
26) 2,2-Dichloropropane	3.85	77	721	58.672	ug/l	97
27) cis-1,2-Dichloroethene	3.68	96	318	15.081	ug/l	39
28) Bromochloromethane	3.92	49	597	49.562	ug/l #	77
29) Tetrahydrofuran	4.31	42	853	368.613	ug/l #	80
30) Chloroform	4.08	83	199	6.674	ug/l #	16
31) Cyclohexane	3.87	56	404	14.009	ug/l #	45
32) 1,1,1-Trichloroethane	4.28	97	774	39.084	ug/l #	41
36) 1,1-Dichloropropene	4.48	75	402	65.277	ug/l #	6
37) Ethyl Acetate	4.33	43	460	182.940	ug/l #	65
38) Carbon Tetrachloride	4.18	117	200	43.182	ug/l #	49

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	519	70.040	ug/l #	77
40) Benzene	4.86	78	273	16.272	ug/l #	1
41) Methacrylonitrile	4.95	41	828	628.094	ug/l #	29
42) 1,2-Dichloroethane	5.16	62	341	101.924	ug/l #	71
43) Isopropyl Acetate	7.11	43	267	81.962	ug/l #	79
44) Trichloroethene	5.68	130	183	38.810	ug/l #	1
45) 1,2-Dichloropropane	6.41	63	265	62.572	ug/l #	96
46) Dibromomethane	6.29	93	251	102.549	ug/l #	1
47) Bromodichloromethane	6.55	83	241	47.429	ug/l #	25
48) Methyl methacrylate	6.89	41	608	357.081	ug/l #	43
49) 1,4-Dioxane	6.86	88	174	7978.725	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	455	204.338	ug/l #	99
52) Toluene	7.79	92	178	20.230	ug/l #	1
53) t-1,3-Dichloropropene	8.40	75	366	88.043	ug/l #	2
54) cis-1,3-Dichloropropene	7.48	75	515	88.500	ug/l #	1
55) 1,1,2-Trichloroethane	8.64	97	167	64.103	ug/l #	35
56) Ethyl methacrylate	8.77	69	356	114.700	ug/l #	20
57) 1,3-Dichloropropane	8.99	76	92	20.733	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.44	63	275	272.205	ug/l #	51
59) 2-Hexanone	9.61	43	1760	1288.947	ug/l #	23
60) Dibromochloromethane	8.85	129	210	61.849	ug/l #	12
61) 1,2-Dibromoethane	9.13	107	84	30.357	ug/l #	98
64) Tetrachloroethene	8.35	164	240	92.080	ug/l #	25
65) Chlorobenzene	9.92	112	92	14.237	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.07	131	325	125.284	ug/l #	72
67) Ethyl Benzene	10.04	91	421	37.503	ug/l #	42
68) m/p-Xylenes	10.14	106	160	37.923	ug/l #	98
69) o-Xylene	10.93	106	255	58.679	ug/l #	37
70) Styrene	10.85	104	321	48.598	ug/l #	66
71) Bromoform	10.92	173	287	220.901	ug/l #	27
73) Isopropylbenzene	11.31	105	455	14.076	ug/l #	74
74) N-amyl acetate	11.41	43	1411	186.270	ug/l #	29
75) 1,1,2,2-Tetrachloroethane	11.76	83	238	36.029	ug/l #	23
76) 1,2,3-Trichloropropane	11.88	75	309	71.191	ug/l #	1
77) Bromobenzene	11.43	156	66	8.214	ug/l #	81
78) n-propylbenzene	11.72	91	768	20.076	ug/l #	9
79) 2-Chlorotoluene	11.84	91	1021	47.359	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.91	105	287	11.073	ug/l #	73
81) trans-1,4-Dichloro-2-buten	11.96	75	653	338.455	ug/l #	95
82) 4-Chlorotoluene	11.99	91	534	25.118	ug/l #	75
83) tert-Butylbenzene	12.20	119	214	8.138	ug/l #	14
84) 1,2,4-Trimethylbenzene	12.30	105	450	17.938	ug/l #	99
85) sec-Butylbenzene	12.36	105	251	7.113	ug/l #	54
86) p-Isopropyltoluene	12.51	119	291	9.785	ug/l #	49
87) 1,3-Dichlorobenzene	12.55	146	66	4.540	ug/l #	23
88) 1,4-Dichlorobenzene	12.64	146	330	24.191	ug/l #	40
89) n-Butylbenzene	12.90	91	1352	46.108	ug/l #	42
90) Hexachloroethane	12.97	117	239	33.500	ug/l #	20
91) 1,2-Dichlorobenzene	12.96	146	76	5.865	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.71	75	379	480.934	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	153	16.496	ug/l #	1
94) Hexachlorobutadiene	14.20	225	77	11.896	ug/l #	16
95) Naphthalene	14.52	128	91	5.401	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.65	180	63	7.171	ug/l #	11

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

