

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
 Data File : VF062795.D
 Acq On : 30 May 2019 15:03
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: May 31 03:41:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 03:15:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	939856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1581234	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	1214925	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	564858	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	128602	18.96	ug/l	0.00
Spiked Amount			Recovery	=	37.92%	
35) Dibromofluoromethane	4.32	113	236471	19.25	ug/l	-0.01
Spiked Amount			Recovery	=	38.50%	
50) Toluene-d8	7.72	98	619406	19.43	ug/l	-0.01
Spiked Amount			Recovery	=	38.86%	
62) 4-Bromofluorobenzene	11.51	95	216870	19.89	ug/l	0.00
Spiked Amount			Recovery	=	39.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	266210	19.667	ug/l	96
3) Chloromethane	1.15	50	203471	19.172	ug/l	98
4) Vinyl Chloride	1.20	62	206963	20.241	ug/l	98
5) Bromomethane	1.42	94	100532	16.734	ug/l	95
6) Chloroethane	1.45	64	58035	14.888	ug/l	91
7) Trichlorofluoromethane	1.57	101	266810m	18.536	ug/l	
8) Diethyl Ether	1.72	74	51589	17.759	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.93	101	179835	19.249	ug/l	96
10) Methyl Iodide	2.00	142	345868	19.097	ug/l	97
11) Tert butyl alcohol	2.72	59	39012	93.799	ug/l #	90
12) 1,1-Dichloroethene	1.89	96	163833	19.900	ug/l	94
13) Acrolein	2.11	56	19116	119.316	ug/l #	62
14) Allyl chloride	2.20	41	108596	18.056	ug/l	91
15) Acrylonitrile	3.11	53	113622	73.521	ug/l #	93
16) Acetone	2.36	43	126306	80.067	ug/l #	90
17) Carbon Disulfide	1.93	76	458747	25.423	ug/l #	94
18) Methyl Acetate	2.48	43	56727	18.504	ug/l	90
19) Methyl tert-butyl Ether	2.56	73	298893	19.988	ug/l	99
20) Methylene Chloride	2.36	84	155804m	16.774	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	151358	17.632	ug/l	95
22) Diisopropyl ether	2.95	45	340132	19.245	ug/l	94
23) Vinyl Acetate	3.37	43	1241819	95.439	ug/l	99
24) 1,1-Dichloroethane	3.03	63	249526	18.624	ug/l	97
25) 2-Butanone	4.55	43	353095	94.227	ug/l	100
26) 2,2-Dichloropropane	3.80	77	148347	18.729	ug/l	91
27) cis-1,2-Dichloroethene	3.66	96	262428	18.933	ug/l	94
28) Bromochloromethane	3.92	49	145699	19.155	ug/l	94
29) Tetrahydrofuran	4.29	42	143233	103.460	ug/l	99
30) Chloroform	4.07	83	380449	19.415	ug/l	93
31) Cyclohexane	3.89	56	347347m	18.652	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	199529	18.416	ug/l	94
36) 1,1-Dichloropropene	4.49	75	301237	19.541	ug/l	99
37) Ethyl Acetate	4.32	43	118133	19.015	ug/l	98
38) Carbon Tetrachloride	4.20	117	199650	19.352	ug/l	95

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39) Methylcyclohexane	5.65	83	346727	18.448	ug/l	97
40) Benzene	4.84	78	864722	19.013	ug/l	96
41) Methacrylonitrile	4.96	41	65152	19.308	ug/l #	81
42) 1,2-Dichloroethane	5.15	62	172310	20.385	ug/l	94
43) Isopropyl Acetate	7.13	43	150296	19.519	ug/l #	96
44) Trichloroethene	5.70	130	242240	19.012	ug/l	95
45) 1,2-Dichloropropane	6.42	63	211790	18.912	ug/l	100
46) Dibromomethane	6.28	93	119773	18.398	ug/l	95
47) Bromodichloromethane	6.57	83	252244	19.020	ug/l	97
48) Methyl methacrylate	6.90	41	75694	19.284	ug/l	98
49) 1,4-Dioxane	6.89	88	19004	401.418	ug/l	92
51) 4-Methyl-2-Pentanone	8.42	43	563916	95.213	ug/l	94
52) Toluene	7.79	92	460484	19.345	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	208417	18.984	ug/l	97
54) cis-1,3-Dichloropropene	7.48	75	313730	19.744	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	136043	18.670	ug/l	93
56) Ethyl methacrylate	8.78	69	149427	19.991	ug/l	96
57) 1,3-Dichloropropane	9.01	76	239425	20.196	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.47	63	258105	97.503	ug/l	93
59) 2-Hexanone	9.64	43	412608	99.570	ug/l	100
60) Dibromochloromethane	8.88	129	174822	19.889	ug/l	95
61) 1,2-Dibromoethane	9.15	107	148026	20.570	ug/l	95
64) Tetrachloroethene	8.32	164	184298	18.180	ug/l	97
65) Chlorobenzene	9.95	112	480205	19.492	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	196778	20.448	ug/l	99
67) Ethyl Benzene	10.05	91	870656	20.275	ug/l	98
68) m/p-Xylenes	10.28	106	639645	39.925	ug/l	87
69) o-Xylene	10.83	106	313453	19.301	ug/l	85
70) Styrene	10.91	104	470338	19.697	ug/l	96
71) Bromoform	10.89	173	91763	19.612	ug/l #	96
73) Isopropylbenzene	11.22	105	797233	18.656	ug/l	96
74) N-amyl acetate	11.46	43	234169	19.316	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	182488	19.763	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	116962	19.695	ug/l	97
77) Bromobenzene	11.59	156	204641	19.554	ug/l	74
78) n-propylbenzene	11.69	91	1027110	19.367	ug/l	95
79) 2-Chlorotoluene	11.80	91	575511	19.811	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	684523	19.649	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	52096m	16.798	ug/l	
82) 4-Chlorotoluene	11.98	91	567065	19.696	ug/l	93
83) tert-Butylbenzene	12.21	119	682358	20.165	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	646223	19.433	ug/l	92
85) sec-Butylbenzene	12.38	105	886145	19.165	ug/l	91
86) p-Isopropyltoluene	12.52	119	735694	19.340	ug/l	93
87) 1,3-Dichlorobenzene	12.54	146	369413	19.659	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	326478	18.636	ug/l	98
89) n-Butylbenzene	12.91	91	752833	19.199	ug/l	89
90) Hexachloroethane	12.99	117	173880	19.252	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	307093	18.613	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	18978	19.309	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	206158	18.412	ug/l	96
94) Hexachlorobutadiene	14.24	225	135723	17.641	ug/l	97
95) Naphthalene	14.51	128	341516	19.203	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	185053	18.669	ug/l	97

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

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