

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062160.D
 Acq On : 4 Apr 2019 16:37
 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: Apr 05 05:08:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	211823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	329601	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	266358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	139613	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	46450	26.62	ug/l	0.00
Spiked Amount						
			Recovery	=	53.24%	
35) Dibromofluoromethane	4.09	113	48699	21.43	ug/l	0.00
Spiked Amount						
			Recovery	=	42.86%	
50) Toluene-d8	7.52	98	134850	20.03	ug/l	0.00
Spiked Amount						
			Recovery	=	40.06%	
62) 4-Bromofluorobenzene	11.39	95	54786	20.89	ug/l	0.00
Spiked Amount						
			Recovery	=	41.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	67833	24.589	ug/l	97
3) Chloromethane	1.08	50	54545	19.567	ug/l #	68
4) Vinyl Chloride	1.13	62	57018	21.958	ug/l	95
5) Bromomethane	1.34	94	43173	22.783	ug/l	93
6) Chloroethane	1.38	64	28643	21.512	ug/l	90
7) Trichlorofluoromethane	1.48	101	76644	23.631	ug/l	97
8) Diethyl Ether	1.63	74	14663	20.365	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.83	101	47523	22.059	ug/l	96
10) Methyl Iodide	1.90	142	84493m	20.702	ug/l	
11) Tert butyl alcohol	2.55	59	9608	107.230	ug/l #	84
12) 1,1-Dichloroethene	1.79	96	45952	22.519	ug/l	84
13) Acrolein	1.99	56	11986	113.363	ug/l	83
14) Allyl chloride	2.08	41	58815	25.802	ug/l	92
15) Acrylonitrile	2.93	53	29363	96.210	ug/l #	92
16) Acetone	2.23	43	45490	127.016	ug/l	98
17) Carbon Disulfide	1.82	76	144174	23.097	ug/l	96
18) Methyl Acetate	2.33	43	19528	23.688	ug/l	92
19) Methyl tert-butyl Ether	2.41	73	81987	24.603	ug/l	97
20) Methylene Chloride	2.17	84	48752m	21.071	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	39368	19.883	ug/l	95
22) Diisopropyl ether	2.78	45	130264	22.256	ug/l	95
23) Vinyl Acetate	3.16	43	304010	124.365	ug/l	96
24) 1,1-Dichloroethane	2.86	63	81041	23.115	ug/l	99
25) 2-Butanone	4.30	43	84493	119.321	ug/l #	85
26) 2,2-Dichloropropane	3.57	77	41146	27.697	ug/l	94
27) cis-1,2-Dichloroethene	3.45	96	52295	19.973	ug/l	93
28) Bromochloromethane	3.69	49	30946	21.027	ug/l	88
29) Tetrahydrofuran	4.04	42	34807	113.447	ug/l	96
30) Chloroform	3.83	83	96306	25.457	ug/l	90
31) Cyclohexane	3.67	56	78795	21.974	ug/l #	95
32) 1,1,1-Trichloroethane	4.08	97	68368	28.244	ug/l	89
36) 1,1-Dichloropropene	4.25	75	80842	25.182	ug/l	96
37) Ethyl Acetate	4.09	43	33614	24.110	ug/l	86
38) Carbon Tetrachloride	3.96	117	62907	28.159	ug/l	94

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39) Methylcyclohexane	5.43	83	80258	22.505	ug/l #	83
40) Benzene	4.61	78	171037	20.591	ug/l	97
41) Methacrylonitrile	4.73	41	16785	22.648	ug/l #	82
42) 1,2-Dichloroethane	4.91	62	66632	31.303	ug/l	98
43) Isopropyl Acetate	6.93	43	40140	24.186	ug/l #	99
44) Trichloroethene	5.48	130	53276	20.920	ug/l	83
45) 1,2-Dichloropropane	6.21	63	41387	20.732	ug/l	92
46) Dibromomethane	6.07	93	26661	21.581	ug/l	83
47) Bromodichloromethane	6.35	83	69880	24.735	ug/l	98
48) Methyl methacrylate	6.69	41	29661	29.681	ug/l #	89
49) 1,4-Dioxane	6.67	88	3053	377.548	ug/l #	56
51) 4-Methyl-2-Pentanone	8.23	43	140687	123.746	ug/l	92
52) Toluene	7.60	92	113013	23.070	ug/l	95
53) t-1,3-Dichloropropene	8.25	75	61379	27.445	ug/l	92
54) cis-1,3-Dichloropropene	7.28	75	72788	23.517	ug/l	90
55) 1,1,2-Trichloroethane	8.46	97	29923	21.753	ug/l #	92
56) Ethyl methacrylate	8.60	69	39694	23.719	ug/l	88
57) 1,3-Dichloropropane	8.82	76	50128	21.969	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.27	63	27331	108.753	ug/l	98
59) 2-Hexanone	9.46	43	100146	121.007	ug/l	94
60) Dibromochloromethane	8.70	129	45718	23.590	ug/l	96
61) 1,2-Dibromoethane	8.96	107	30649	20.907	ug/l	91
64) Tetrachloroethene	8.13	164	43661	21.283	ug/l	93
65) Chlorobenzene	9.77	112	108690	21.613	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.91	131	50480	24.598	ug/l	94
67) Ethyl Benzene	9.88	91	217383	24.300	ug/l	99
68) m/p-Xylenes	10.10	106	158069	47.486	ug/l	93
69) o-Xylene	10.70	106	78148	22.919	ug/l	97
70) Styrene	10.76	104	116541	22.139	ug/l	99
71) Bromoform	10.75	173	25546	24.243	ug/l	90
73) Isopropylbenzene	11.11	105	244056	24.452	ug/l	94
74) N-amyl acetate	11.36	43	58597	24.197	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	36989	22.050	ug/l	93
76) 1,2,3-Trichloropropane	11.78	75	27606	22.610	ug/l	81
77) Bromobenzene	11.47	156	51534	21.426	ug/l	94
78) n-propylbenzene	11.57	91	272361	23.213	ug/l	97
79) 2-Chlorotoluene	11.70	91	163427	25.129	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	200777	24.059	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.85	75	11504m	22.966	ug/l	
82) 4-Chlorotoluene	11.88	91	167610	24.828	ug/l	97
83) tert-Butylbenzene	12.11	119	199393	23.038	ug/l	98
84) 1,2,4-Trimethylbenzene	12.18	105	208125	25.500	ug/l	98
85) sec-Butylbenzene	12.29	105	254674	22.841	ug/l	100
86) p-Isopropyltoluene	12.44	119	234921	23.907	ug/l	95
87) 1,3-Dichlorobenzene	12.46	146	92509	20.382	ug/l	92
88) 1,4-Dichlorobenzene	12.55	146	102624	23.467	ug/l	96
89) n-Butylbenzene	12.82	91	234095	25.115	ug/l	97
90) Hexachloroethane	12.90	117	54655	23.824	ug/l	97
91) 1,2-Dichlorobenzene	12.92	146	90740	21.582	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7675	28.759	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	64449	21.762	ug/l	99
94) Hexachlorobutadiene	14.17	225	42862	21.911	ug/l	93
95) Naphthalene	14.44	128	103894	20.505	ug/l	96
96) 1,2,3-Trichlorobenzene	14.59	180	55623	20.484	ug/l	96

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

