

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050619\
 Data File : VF062341.D
 Acq On : 6 May 2019 17:16
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: May 07 04:17:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:06:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	352040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	478518	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	397794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	247609	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	16771	5.00	ug/l	0.00
Spiked Amount			Recovery	=	10.00%	
35) Dibromofluoromethane	4.29	113	18561	4.77	ug/l	0.00
Spiked Amount			Recovery	=	9.54%	
50) Toluene-d8	7.70	98	47036	5.05	ug/l	0.00
Spiked Amount			Recovery	=	10.10%	
62) 4-Bromofluorobenzene	11.49	95	24006	5.89	ug/l	0.00
Spiked Amount			Recovery	=	11.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	21744	5.137	ug/l	89
3) Chloromethane	1.15	50	15298	5.495	ug/l	96
4) Vinyl Chloride	1.18	62	14269	5.089	ug/l	97
5) Bromomethane	1.40	94	15485	7.123	ug/l	90
6) Chloroethane	1.44	64	6647	4.661	ug/l	89
7) Trichlorofluoromethane	1.56	101	25705	4.533	ug/l	95
8) Diethyl Ether	1.71	74	4982	5.883	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.91	101	16170	4.846	ug/l	95
10) Methyl Iodide	1.97	142	25604	4.686	ug/l #	98
11) Tert butyl alcohol	2.69	59	5875	30.212	ug/l #	92
12) 1,1-Dichloroethene	1.86	96	15444	5.753	ug/l #	78
13) Acrolein	2.10	56	5074	39.658	ug/l #	73
14) Allyl chloride	2.19	41	12169	4.994	ug/l	88
15) Acrylonitrile	3.09	53	8578	22.428	ug/l #	83
16) Acetone	2.34	43	16506	22.865	ug/l	97
17) Carbon Disulfide	1.91	76	28929	4.622	ug/l #	91
18) Methyl Acetate	2.46	43	10970	7.460	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	27945	4.971	ug/l	96
20) Methylene Chloride	2.33	84	13516	5.410	ug/l	89
21) trans-1,2-Dichloroethene	2.42	96	13744	5.165	ug/l	85
22) Diisopropyl ether	2.93	45	36630	4.862	ug/l #	94
23) Vinyl Acetate	3.34	43	70561	20.647	ug/l	98
24) 1,1-Dichloroethane	3.01	63	20175	4.334	ug/l #	94
25) 2-Butanone	4.52	43	22103	25.660	ug/l	99
26) 2,2-Dichloropropane	3.78	77	12718	4.867	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	14915	4.459	ug/l	96
28) Bromochloromethane	3.90	49	10148	4.871	ug/l	96
29) Tetrahydrofuran	4.26	42	10365	25.986	ug/l	94
30) Chloroform	4.05	83	25716	4.017	ug/l	100
31) Cyclohexane	3.88	56	17821	4.764	ug/l #	93
32) 1,1,1-Trichloroethane	4.28	97	22078	4.628	ug/l	91
36) 1,1-Dichloropropene	4.47	75	19420	4.470	ug/l	97
37) Ethyl Acetate	4.30	43	11095	5.718	ug/l #	96
38) Carbon Tetrachloride	4.19	117	23518	4.908	ug/l #	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	19370	4.546	ug/l #	78
40) Benzene	4.82	78	45383	4.813	ug/l	97
41) Methacrylonitrile	4.94	41	4830	4.459	ug/l #	85
42) 1,2-Dichloroethane	5.12	62	17431	4.419	ug/l #	82
43) Isopropyl Acetate	7.11	43	9604	4.972	ug/l #	95
44) Trichloroethene	5.68	130	16027	4.582	ug/l	98
45) 1,2-Dichloropropane	6.40	63	9863	4.632	ug/l	96
46) Dibromomethane	6.26	93	8030	4.497	ug/l	95
47) Bromodichloromethane	6.55	83	18029	4.012	ug/l	98
48) Methyl methacrylate	6.88	41	6554	4.711	ug/l #	87
49) 1,4-Dioxane	6.89	88	1002m	67.487	ug/l	
51) 4-Methyl-2-Pentanone	8.40	43	34903	23.796	ug/l	100
52) Toluene	7.77	92	28410	4.943	ug/l	91
53) t-1,3-Dichloropropene	8.41	75	15829	4.763	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	17126	4.387	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	8250	4.517	ug/l #	83
56) Ethyl methacrylate	8.75	69	9567	4.839	ug/l #	85
57) 1,3-Dichloropropane	8.99	76	13280	4.806	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	14526	26.249	ug/l	100
59) 2-Hexanone	9.62	43	25980	25.808	ug/l	97
60) Dibromochloromethane	8.85	129	11237	3.681	ug/l	96
61) 1,2-Dibromoethane	9.12	107	10811	5.080	ug/l	93
64) Tetrachloroethene	8.30	164	15456	4.536	ug/l	93
65) Chlorobenzene	9.92	112	30914	4.506	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.06	131	15546	4.496	ug/l	94
67) Ethyl Benzene	10.03	91	57090	4.764	ug/l	99
68) m/p-Xylenes	10.26	106	40765	9.248	ug/l	93
69) o-Xylene	10.81	106	20861	4.283	ug/l	99
70) Styrene	10.89	104	35382	4.964	ug/l	95
71) Bromoform	10.87	173	8428	4.441	ug/l #	97
73) Isopropylbenzene	11.21	105	71688	4.732	ug/l	96
74) N-amyl acetate	11.44	43	15409	4.650	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	10393	4.330	ug/l	96
76) 1,2,3-Trichloropropane	11.86	75	9229	5.167	ug/l #	100
77) Bromobenzene	11.58	156	18324	4.638	ug/l	100
78) n-propylbenzene	11.67	91	77444	4.810	ug/l	99
79) 2-Chlorotoluene	11.80	91	47198	4.699	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	63858	4.807	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	3240m	5.031	ug/l	
82) 4-Chlorotoluene	11.96	91	49828	5.042	ug/l	97
83) tert-Butylbenzene	12.19	119	63134	4.539	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	61724	4.763	ug/l	97
85) sec-Butylbenzene	12.37	105	78850	4.611	ug/l	100
86) p-Isopropyltoluene	12.52	119	74322	4.693	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	36942	5.106	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	32615	4.624	ug/l	90
89) n-Butylbenzene	12.89	91	68008	4.799	ug/l	95
90) Hexachloroethane	12.97	117	16831	4.275	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	34519	4.902	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	2400	4.542	ug/l	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	29932	4.667	ug/l	96
94) Hexachlorobutadiene	14.22	225	20439	4.250	ug/l	99
95) Naphthalene	14.49	128	39013	4.064	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	26602	4.328	ug/l	98

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

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