

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021319\
 Data File : VF061625.D
 Acq On : 13 Feb 2019 16:36
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 12:41:48 PM

Quant Time: Feb 14 03:22:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:03:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	297686	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	450972	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	394109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	224217	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	20568	5.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.10%	
35) Dibromofluoromethane	4.13	113	33742	9.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.02%	
50) Toluene-d8	7.57	98	90919	9.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.76%	
62) 4-Bromofluorobenzene	11.42	95	39308	9.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	38282	7.329	ug/l	99
3) Chloromethane	1.09	50	38516	9.415	ug/l	98
4) Vinyl Chloride	1.14	62	35952	10.111	ug/l	98
5) Bromomethane	1.33	94	25171	9.524	ug/l	92
6) Chloroethane	1.39	64	16917	10.216	ug/l	98
7) Trichlorofluoromethane	1.50	101	42468	6.803	ug/l	94
8) Diethyl Ether	1.63	74	9683	9.907	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	31453	9.332	ug/l	98
10) Methyl Iodide	1.91	142	54985m	9.888	ug/l	
11) Tert butyl alcohol	2.57	59	5572	35.502	ug/l #	73
12) 1,1-Dichloroethene	1.79	96	25338	9.202	ug/l	96
13) Acrolein	2.01	56	7088m	40.748	ug/l	
14) Allyl chloride	2.11	41	31911	7.973	ug/l	93
15) Acrylonitrile	2.95	53	21085	48.837	ug/l	89
16) Acetone	2.24	43	25355	45.526	ug/l	96
17) Carbon Disulfide	1.83	76	82677m	9.853	ug/l	
18) Methyl Acetate	2.35	43	10876	9.139	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	43840	7.819	ug/l	99
20) Methylene Chloride	2.19	84	32510m	9.939	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	28263	9.936	ug/l	94
22) Diisopropyl ether	2.81	45	75913	8.285	ug/l	97
23) Vinyl Acetate	3.20	43	182548	40.648	ug/l	98
24) 1,1-Dichloroethane	2.88	63	45318	8.188	ug/l	99
25) 2-Butanone	4.36	43	47636	42.007	ug/l	99
26) 2,2-Dichloropropane	3.61	77	19473	7.221	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	38431	9.509	ug/l	97
28) Bromochloromethane	3.73	49	21964	7.982	ug/l	98
29) Tetrahydrofuran	4.09	42	24192	45.543	ug/l	94
30) Chloroform	3.87	83	50862	6.785	ug/l	95
31) Cyclohexane	3.70	56	50193	9.134	ug/l #	95
32) 1,1,1-Trichloroethane	4.11	97	34108	6.744	ug/l	97
36) 1,1-Dichloropropene	4.30	75	44667	8.869	ug/l	94
37) Ethyl Acetate	4.13	43	20454	9.237	ug/l	91
38) Carbon Tetrachloride	4.01	117	32571	7.907	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	51450	10.059	ug/l	97
40) Benzene	4.64	78	112181	9.939	ug/l	97
41) Methacrylonitrile	4.76	41	9267	8.351	ug/l #	91
42) 1,2-Dichloroethane	4.96	62	26338	6.745	ug/l	98
43) Isopropyl Acetate	6.98	43	23270	9.257	ug/l #	93
44) Trichloroethene	5.52	130	38335	11.120	ug/l	97
45) 1,2-Dichloropropane	6.25	63	27759	9.534	ug/l	95
46) Dibromomethane	6.10	93	16574	8.715	ug/l	94
47) Bromodichloromethane	6.40	83	35953	7.493	ug/l	99
48) Methyl methacrylate	6.73	41	13341	7.944	ug/l	95
49) 1,4-Dioxane	6.72	88	2823	239.475	ug/l #	81
51) 4-Methyl-2-Pentanone	8.27	43	86214	45.600	ug/l	98
52) Toluene	7.63	92	71028	10.079	ug/l	95
53) t-1,3-Dichloropropene	8.29	75	31685	8.533	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	39434	8.379	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	19859	9.109	ug/l	92
56) Ethyl methacrylate	8.63	69	22857	9.457	ug/l	98
57) 1,3-Dichloropropane	8.86	76	33397	8.800	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	18914	46.391	ug/l	97
59) 2-Hexanone	9.50	43	62609	48.890	ug/l	99
60) Dibromochloromethane	8.73	129	25761	8.505	ug/l	93
61) 1,2-Dibromoethane	9.00	107	21206	9.327	ug/l	95
64) Tetrachloroethene	8.17	164	33643	11.282	ug/l	94
65) Chlorobenzene	9.81	112	79917	10.426	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	31402	9.933	ug/l	96
67) Ethyl Benzene	9.91	91	134074	9.607	ug/l	100
68) m/p-Xylenes	10.14	106	103254	21.326	ug/l	99
69) o-Xylene	10.73	106	51828	9.706	ug/l	93
70) Styrene	10.79	104	78507	10.617	ug/l	97
71) Bromoform	10.78	173	16668	11.139	ug/l #	96
73) Isopropylbenzene	11.13	105	158991	9.174	ug/l	98
74) N-amyl acetate	11.38	43	35860	8.218	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	27034	8.357	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	18614	8.099	ug/l	98
77) Bromobenzene	11.50	156	39213	10.284	ug/l	94
78) n-propylbenzene	11.60	91	185248	8.899	ug/l	96
79) 2-Chlorotoluene	11.73	91	102617	8.657	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	127149	8.893	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	8798m	9.157	ug/l	
82) 4-Chlorotoluene	11.91	91	111970	9.092	ug/l	95
83) tert-Butylbenzene	12.14	119	141008	9.592	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	127200	9.063	ug/l	96
85) sec-Butylbenzene	12.31	105	180054	9.165	ug/l	95
86) p-Isopropyltoluene	12.47	119	161345	10.041	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	81774	11.035	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	75335	10.685	ug/l	98
89) n-Butylbenzene	12.85	91	143100	8.793	ug/l	96
90) Hexachloroethane	12.92	117	33315	8.175	ug/l	90
91) 1,2-Dichlorobenzene	12.95	146	74636	10.813	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	3959	7.058	ug/l	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	52058	10.741	ug/l	99
94) Hexachlorobutadiene	14.20	225	30753	10.285	ug/l	99
95) Naphthalene	14.46	128	83288	9.089	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	45332	10.412	ug/l	98

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

