

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061973.D
 Acq On : 16 Mar 2019 11:11
 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
 3/22/2019 6:18:46 PM

Quant Time: Mar 22 03:13:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:28:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	271420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	413374	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	357267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	193423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	18813	9.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.26%	
35) Dibromofluoromethane	4.11	113	28417	10.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.48%	
50) Toluene-d8	7.56	98	87911	10.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.66%	
62) 4-Bromofluorobenzene	11.41	95	36098	11.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	33543	11.593	ug/l	100
3) Chloromethane	1.10	50	32784	11.150	ug/l	96
4) Vinyl Chloride	1.14	62	33580	11.808	ug/l	97
5) Bromomethane	1.31	94	23604	11.815	ug/l	94
6) Chloroethane	1.38	64	16752	11.411	ug/l	91
7) Trichlorofluoromethane	1.48	101	39070	10.370	ug/l	85
8) Diethyl Ether	1.63	74	9375	11.193	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	29262	11.024	ug/l	96
10) Methyl Iodide	1.90	142	50832m	10.941	ug/l	
11) Tert butyl alcohol	2.58	59	6122	51.207	ug/l #	79
12) 1,1-Dichloroethene	1.79	96	26334	11.496	ug/l	84
13) Acrolein	2.00	56	7605	58.925	ug/l	89
14) Allyl chloride	2.09	41	29614	10.127	ug/l	90
15) Acrylonitrile	2.94	53	19570	53.829	ug/l	99
16) Acetone	2.23	43	23339	53.197	ug/l	99
17) Carbon Disulfide	1.82	76	73892	11.153	ug/l #	93
18) Methyl Acetate	2.35	43	9993	10.723	ug/l	92
19) Methyl tert-butyl Ether	2.43	73	43163	10.398	ug/l	97
20) Methylene Chloride	2.17	84	24500m	10.847	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	25635	10.723	ug/l	95
22) Diisopropyl ether	2.80	45	74874	10.645	ug/l #	96
23) Vinyl Acetate	3.19	43	142826	51.511	ug/l	99
24) 1,1-Dichloroethane	2.87	63	46088	11.269	ug/l #	98
25) 2-Butanone	4.34	43	47292	54.428	ug/l	96
26) 2,2-Dichloropropane	3.59	77	20663	10.711	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	32203	10.688	ug/l	99
28) Bromochloromethane	3.72	49	18423	10.856	ug/l	97
29) Tetrahydrofuran	4.07	42	20308	53.742	ug/l	92
30) Chloroform	3.86	83	48521	10.471	ug/l	99
31) Cyclohexane	3.69	56	44158m	11.020	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	28842	9.372	ug/l	90
36) 1,1-Dichloropropene	4.27	75	39059	10.463	ug/l	97
37) Ethyl Acetate	4.10	43	18609	11.102	ug/l	96
38) Carbon Tetrachloride	3.99	117	28397	10.409	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	46933	10.709	ug/l	94
40) Benzene	4.64	78	106574	10.774	ug/l	97
41) Methacrylonitrile	4.75	41	10168	11.354	ug/l #	74
42) 1,2-Dichloroethane	4.94	62	24661	10.015	ug/l	94
43) Isopropyl Acetate	6.96	43	20883	10.530	ug/l #	97
44) Trichloroethene	5.49	130	33061	10.911	ug/l	97
45) 1,2-Dichloropropane	6.22	63	23177	9.901	ug/l #	88
46) Dibromomethane	6.09	93	14018	10.066	ug/l #	81
47) Bromodichloromethane	6.38	83	35892	10.933	ug/l #	98
48) Methyl methacrylate	6.72	41	14211	11.088	ug/l	94
49) 1,4-Dioxane	6.71	88	2194	192.445	ug/l #	62
51) 4-Methyl-2-Pentanone	8.27	43	71649	50.878	ug/l	100
52) Toluene	7.62	92	62605	10.359	ug/l	93
53) t-1,3-Dichloropropene	8.27	75	28452	10.265	ug/l	93
54) cis-1,3-Dichloropropene	7.30	75	37865	10.470	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	18166	10.770	ug/l	92
56) Ethyl methacrylate	8.62	69	19651	10.248	ug/l	91
57) 1,3-Dichloropropane	8.86	76	29352	10.432	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	16698	48.078	ug/l #	84
59) 2-Hexanone	9.50	43	56168	55.112	ug/l	94
60) Dibromochloromethane	8.72	129	22729	9.706	ug/l	99
61) 1,2-Dibromoethane	8.98	107	19104	10.559	ug/l	100
64) Tetrachloroethene	8.16	164	26282	10.120	ug/l	93
65) Chlorobenzene	9.79	112	68936	10.364	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	26585	10.311	ug/l	95
67) Ethyl Benzene	9.90	91	119801	10.519	ug/l	98
68) m/p-Xylenes	10.13	106	90478	21.122	ug/l	83
69) o-Xylene	10.71	106	50904	11.106	ug/l	98
70) Styrene	10.79	104	69237	10.903	ug/l	96
71) Bromoform	10.77	173	13136	10.073	ug/l	99
73) Isopropylbenzene	11.12	105	139973	10.475	ug/l	96
74) N-amyl acetate	11.37	43	31548	10.303	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.70	83	22445	10.176	ug/l	89
76) 1,2,3-Trichloropropane	11.80	75	16903	10.959	ug/l	97
77) Bromobenzene	11.50	156	31364	10.135	ug/l	94
78) n-propylbenzene	11.60	91	167386	10.894	ug/l	100
79) 2-Chlorotoluene	11.72	91	95059	10.960	ug/l	92
80) 1,3,5-Trimethylbenzene	11.82	105	115686	10.717	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	6667m	9.771	ug/l	
82) 4-Chlorotoluene	11.90	91	96009	10.947	ug/l	97
83) tert-Butylbenzene	12.13	119	117591	10.417	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	120156	11.113	ug/l	91
85) sec-Butylbenzene	12.31	105	166070	10.888	ug/l	100
86) p-Isopropyltoluene	12.46	119	139724	10.979	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	67212	11.051	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	60685	10.366	ug/l	97
89) n-Butylbenzene	12.84	91	128068	10.709	ug/l	94
90) Hexachloroethane	12.92	117	28645	9.863	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	61124	10.851	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	3596	10.160	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	42297	10.783	ug/l	91
94) Hexachlorobutadiene	14.19	225	27461	10.545	ug/l	96
95) Naphthalene	14.46	128	68779	9.749	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	36451	10.100	ug/l	96

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

