

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062415.D
 Acq On : 10 May 2019 10:40
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 3:54:03 PM

Quant Time: May 10 14:58:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	325528	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	407078	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	402991	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	223332	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	159473	51.84	ug/l	0.02
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	4.32	113	180239	55.58	ug/l	0.02
Spiked Amount			Recovery	=	111.16%	
50) Toluene-d8	7.72	98	431742	55.00	ug/l	0.02
Spiked Amount			Recovery	=	110.00%	
62) 4-Bromofluorobenzene	11.49	95	195760	55.27	ug/l	0.00
Spiked Amount			Recovery	=	110.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	148142	39.322	ug/l	97
3) Chloromethane	1.14	50	88928	35.790	ug/l	98
4) Vinyl Chloride	1.19	62	95700	38.614	ug/l	98
5) Bromomethane	1.39	94	82565	43.841	ug/l	97
6) Chloroethane	1.44	64	53320	42.792	ug/l #	84
7) Trichlorofluoromethane	1.56	101	230159	44.758	ug/l	89
8) Diethyl Ether	1.72	74	28186	36.225	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	129852	44.231	ug/l	99
10) Methyl Iodide	1.98	142	210104	43.428	ug/l	97
11) Tert butyl alcohol	2.70	59	30474	175.271	ug/l #	90
12) 1,1-Dichloroethene	1.87	96	95562	38.289	ug/l	95
13) Acrolein	2.10	56	22441	205.009	ug/l	95
14) Allyl chloride	2.20	41	156385	70.934	ug/l	98
15) Acrylonitrile	3.09	53	67385	204.599	ug/l	99
16) Acetone	2.36	43	179235	288.007	ug/l	94
17) Carbon Disulfide	1.91	76	202321	37.178	ug/l #	92
18) Methyl Acetate	2.46	43	46790	40.641	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	219742	42.652	ug/l	97
20) Methylene Chloride	2.34	84	95445	42.390	ug/l	91
21) trans-1,2-Dichloroethene	2.43	96	100746	42.368	ug/l	93
22) Diisopropyl ether	2.94	45	296431	43.020	ug/l	98
23) Vinyl Acetate	3.35	43	659150	214.635	ug/l	99
24) 1,1-Dichloroethane	3.02	63	194491	46.702	ug/l	98
25) 2-Butanone	4.53	43	183868	235.171	ug/l	97
26) 2,2-Dichloropropane	3.79	77	122675	52.749	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	132916	44.717	ug/l	95
28) Bromochloromethane	3.91	49	96841	51.274	ug/l	92
29) Tetrahydrofuran	4.28	42	63299	176.157	ug/l	98
30) Chloroform	4.06	83	260480	46.298	ug/l	97
31) Cyclohexane	3.89	56	139878	42.081	ug/l	94
32) 1,1,1-Trichloroethane	4.30	97	226799	47.034	ug/l	99
36) 1,1-Dichloropropene	4.49	75	163816	46.845	ug/l	98
37) Ethyl Acetate	4.31	43	61236	44.377	ug/l #	99
38) Carbon Tetrachloride	4.20	117	196612m	54.453	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	152237	43.408	ug/l	100
40) Benzene	4.83	78	357282	46.397	ug/l	93
41) Methacrylonitrile	4.94	41	35206	41.987	ug/l	94
42) 1,2-Dichloroethane	5.14	62	156826	48.694	ug/l	98
43) Isopropyl Acetate	7.12	43	65292	41.049	ug/l #	97
44) Trichloroethene	5.69	130	132650	46.893	ug/l	98
45) 1,2-Dichloropropane	6.42	63	86768	49.747	ug/l	99
46) Dibromomethane	6.27	93	69467	48.036	ug/l	95
47) Bromodichloromethane	6.56	83	183322	50.703	ug/l	96
48) Methyl methacrylate	6.88	41	51005	45.376	ug/l	97
49) 1,4-Dioxane	6.87	88	8892	766.106	ug/l	95
51) 4-Methyl-2-Pentanone	8.41	43	281332	233.421	ug/l	100
52) Toluene	7.79	92	228671	48.136	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	139554	51.033	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	159312	50.058	ug/l	92
55) 1,1,2-Trichloroethane	8.65	97	72859	48.313	ug/l	93
56) Ethyl methacrylate	8.76	69	68765	43.197	ug/l	99
57) 1,3-Dichloropropane	9.00	76	113715	49.920	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	109485	228.763	ug/l	99
59) 2-Hexanone	9.63	43	222666	267.128	ug/l	95
60) Dibromochloromethane	8.86	129	121936	49.438	ug/l	98
61) 1,2-Dibromoethane	9.14	107	85780	48.397	ug/l	97
64) Tetrachloroethene	8.31	164	135451	41.402	ug/l	98
65) Chlorobenzene	9.94	112	309599	46.432	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	148062	44.018	ug/l	97
67) Ethyl Benzene	10.04	91	524784	44.946	ug/l	99
68) m/p-Xylenes	10.26	106	371543	86.246	ug/l	99
69) o-Xylene	10.82	106	202360	43.471	ug/l	99
70) Styrene	10.89	104	294015	42.143	ug/l	98
71) Bromoform	10.88	173	76792	41.671	ug/l	99
73) Isopropylbenzene	11.22	105	611059	46.153	ug/l	100
74) N-amyl acetate	11.45	43	108642	38.221	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	93498	45.102	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	69689	44.062	ug/l #	100
77) Bromobenzene	11.58	156	160347	46.146	ug/l	98
78) n-propylbenzene	11.67	91	664364	47.131	ug/l	99
79) 2-Chlorotoluene	11.80	91	408760	46.635	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	546732	47.113	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	26959m	45.347	ug/l	
82) 4-Chlorotoluene	11.98	91	410925	47.467	ug/l	98
83) tert-Butylbenzene	12.20	119	557282	45.694	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	528372	46.526	ug/l	98
85) sec-Butylbenzene	12.37	105	708097	47.700	ug/l	99
86) p-Isopropyltoluene	12.52	119	636068	46.118	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	292958	46.163	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	284756	46.490	ug/l	99
89) n-Butylbenzene	12.90	91	581595	47.397	ug/l	99
90) Hexachloroethane	12.97	117	155958	45.288	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	283171	46.100	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	19414	41.802	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	254788	46.244	ug/l	100
94) Hexachlorobutadiene	14.23	225	199866	48.671	ug/l	95
95) Naphthalene	14.49	128	358124	43.235	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	251690	47.154	ug/l	97

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

