

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062619.D
 Acq On : 16 May 2019 11:04
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:00 PM

Quant Time: May 17 05:10:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	805181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1290072	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	979871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	463793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	54987	9.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.32%	
35) Dibromofluoromethane	4.32	113	104565	10.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.18%	
50) Toluene-d8	7.72	98	244292	10.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.72%	
62) 4-Bromofluorobenzene	11.50	95	91749	10.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	112524	10.269	ug/l	98
3) Chloromethane	1.14	50	114400	11.339	ug/l	94
4) Vinyl Chloride	1.19	62	98854	10.644	ug/l	96
5) Bromomethane	1.40	94	54109	10.650	ug/l	98
6) Chloroethane	1.45	64	42336	12.412	ug/l	95
7) Trichlorofluoromethane	1.57	101	143797	12.240	ug/l	94
8) Diethyl Ether	1.72	74	25468	10.309	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.91	101	86216	10.858	ug/l	87
10) Methyl Iodide	1.99	142	173359	11.114	ug/l #	98
11) Tert butyl alcohol	2.70	59	17745	47.239	ug/l #	78
12) 1,1-Dichloroethene	1.87	96	79979	11.057	ug/l	95
13) Acrolein	2.10	56	23390	59.650	ug/l	90
14) Allyl chloride	2.21	41	85269	11.998	ug/l	92
15) Acrylonitrile	3.10	53	75051	70.827	ug/l	96
16) Acetone	2.36	43	62998	42.678	ug/l	90
17) Carbon Disulfide	1.92	76	243305	11.805	ug/l	95
18) Methyl Acetate	2.47	43	33312m	13.205	ug/l	
19) Methyl tert-butyl Ether	2.55	73	148688	11.499	ug/l	99
20) Methylene Chloride	2.35	84	83418m	11.340	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	80367	11.368	ug/l	95
22) Diisopropyl ether	2.95	45	178447	11.052	ug/l	97
23) Vinyl Acetate	3.35	43	576597	52.939	ug/l	96
24) 1,1-Dichloroethane	3.02	63	141330	11.932	ug/l	99
25) 2-Butanone	4.54	43	160709	50.959	ug/l	99
26) 2,2-Dichloropropane	3.79	77	78308	11.555	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	122127	10.502	ug/l	94
28) Bromochloromethane	3.91	49	75021	11.293	ug/l #	75
29) Tetrahydrofuran	4.28	42	66760	52.311	ug/l	99
30) Chloroform	4.06	83	185964	11.308	ug/l	97
31) Cyclohexane	3.87	56	173004	11.732	ug/l	85
32) 1,1,1-Trichloroethane	4.30	97	131436	12.035	ug/l	95
36) 1,1-Dichloropropene	4.49	75	150136	11.357	ug/l	96
37) Ethyl Acetate	4.31	43	55769	10.332	ug/l #	98
38) Carbon Tetrachloride	4.20	117	120482	12.936	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	173929	10.935	ug/l	95
40) Benzene	4.83	78	419444	11.647	ug/l	93
41) Methacrylonitrile	4.95	41	29775	10.522	ug/l	95
42) 1,2-Dichloroethane	5.14	62	81143	11.299	ug/l	99
43) Isopropyl Acetate	7.13	43	63178	9.035	ug/l #	86
44) Trichloroethene	5.69	130	113354	11.199	ug/l	95
45) 1,2-Dichloropropane	6.42	63	101234	11.136	ug/l	94
46) Dibromomethane	6.27	93	56814	10.814	ug/l	96
47) Bromodichloromethane	6.57	83	117819	10.802	ug/l	96
48) Methyl methacrylate	6.89	41	37271	10.198	ug/l #	95
49) 1,4-Dioxane	6.88	88	9139	195.229	ug/l #	91
51) 4-Methyl-2-Pentanone	8.41	43	249134	52.123	ug/l	95
52) Toluene	7.79	92	214705	11.368	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	98213	11.006	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	136442	10.923	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	59060	10.561	ug/l #	88
56) Ethyl methacrylate	8.76	69	66516	9.984	ug/l	94
57) 1,3-Dichloropropane	9.00	76	104334	10.954	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	101490	46.800	ug/l	98
59) 2-Hexanone	9.63	43	172028	49.226	ug/l	97
60) Dibromochloromethane	8.87	129	72122	9.896	ug/l	85
61) 1,2-Dibromoethane	9.14	107	60544	10.193	ug/l	88
64) Tetrachloroethene	8.31	164	88497	11.400	ug/l	96
65) Chlorobenzene	9.94	112	210746	10.950	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	87826	11.367	ug/l	97
67) Ethyl Benzene	10.04	91	377768	11.299	ug/l	98
68) m/p-Xylenes	10.26	106	269977	21.485	ug/l	75
69) o-Xylene	10.82	106	134602	10.400	ug/l	93
70) Styrene	10.89	104	197953	10.062	ug/l	99
71) Bromoform	10.88	173	37837	9.778	ug/l #	97
73) Isopropylbenzene	11.22	105	405442	12.197	ug/l	92
74) N-amyl acetate	11.45	43	105019	10.241	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	78549	11.563	ug/l	92
76) 1,2,3-Trichloropropane	11.87	75	52502	11.762	ug/l	86
77) Bromobenzene	11.58	156	93213	11.281	ug/l	84
78) n-propylbenzene	11.68	91	497717	12.652	ug/l	93
79) 2-Chlorotoluene	11.80	91	274407	12.377	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	334718	12.558	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.95	75	20547m	8.285	ug/l	
82) 4-Chlorotoluene	11.98	91	276019	12.625	ug/l	96
83) tert-Butylbenzene	12.20	119	328960	12.165	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	309692	12.005	ug/l	95
85) sec-Butylbenzene	12.37	105	441892	12.176	ug/l	93
86) p-Isopropyltoluene	12.52	119	372816	12.190	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	185333	12.398	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	159386	11.362	ug/l	96
89) n-Butylbenzene	12.90	91	360472	11.954	ug/l	93
90) Hexachloroethane	12.97	117	87355	11.907	ug/l	91
91) 1,2-Dichlorobenzene	13.00	146	159071	11.938	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	8587	10.596	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	106015	11.115	ug/l	99
94) Hexachlorobutadiene	14.23	225	76910	11.554	ug/l	91
95) Naphthalene	14.50	128	156983	9.059	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	96807	10.715	ug/l	96

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

