

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010819\
 Data File : VF061291.D
 Acq On : 8 Jan 2019 17:53
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF010819

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:45:15 AM

Quant Time: Jan 09 07:23:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 15:56:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	194876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	358770	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	316352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	154821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	108066	43.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.38%	
35) Dibromofluoromethane	4.13	113	133219	48.26	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	7.57	98	393696	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
62) 4-Bromofluorobenzene	11.42	95	164283	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	175472	46.896	ug/l	94
3) Chloromethane	1.09	50	153724	53.628	ug/l	92
4) Vinyl Chloride	1.14	62	137077	55.209	ug/l	99
5) Bromomethane	1.30	94	104510	61.567	ug/l	96
6) Chloroethane	1.39	64	73146	65.006	ug/l	96
7) Trichlorofluoromethane	1.47	101	248112	55.531	ug/l	97
8) Diethyl Ether	1.63	74	37175	58.321	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.83	101	123680	55.405	ug/l	100
10) Methyl Iodide	1.85	142	200348m	55.549	ug/l	
11) Tert butyl alcohol	2.56	59	22254	213.197	ug/l	97
12) 1,1-Dichloroethene	1.76	96	103927	55.385	ug/l	86
13) Acrolein	2.01	56	20778	212.667	ug/l	87
14) Allyl chloride	2.11	41	194649	75.033	ug/l	91
15) Acrylonitrile	2.96	53	80880	289.832	ug/l	90
16) Acetone	2.25	43	120618	243.473	ug/l	95
17) Carbon Disulfide	1.77	76	338542	59.249	ug/l	99
18) Methyl Acetate	2.35	43	50551	46.111	ug/l	94
19) Methyl tert-butyl Ether	2.43	73	193845	49.559	ug/l	96
20) Methylene Chloride	2.19	84	99890	43.446	ug/l	98
21) trans-1,2-Dichloroethene	2.31	96	113786	57.655	ug/l	98
22) Diisopropyl ether	2.81	45	364229	55.838	ug/l	98
23) Vinyl Acetate	3.20	43	647347	216.701	ug/l	99
24) 1,1-Dichloroethane	2.89	63	199197	52.086	ug/l	100
25) 2-Butanone	4.35	43	210953	226.839	ug/l	98
26) 2,2-Dichloropropane	3.61	77	125230	56.862	ug/l	98
27) cis-1,2-Dichloroethene	3.49	96	154201	53.172	ug/l	94
28) Bromochloromethane	3.73	49	88349	48.799	ug/l #	89
29) Tetrahydrofuran	4.08	42	89341	247.087	ug/l	99
30) Chloroform	3.87	83	259961	48.596	ug/l	99
31) Cyclohexane	3.71	56	221280	54.589	ug/l	93
32) 1,1,1-Trichloroethane	4.11	97	209356	60.252	ug/l	99
36) 1,1-Dichloropropene	4.30	75	200104	47.357	ug/l	99
37) Ethyl Acetate	4.11	43	83031	49.216	ug/l #	90
38) Carbon Tetrachloride	4.01	117	179134	52.954	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	247630	54.825	ug/l	95
40) Benzene	4.65	78	450134	46.940	ug/l	98
41) Methacrylonitrile	4.76	41	40503	42.221	ug/l	95
42) 1,2-Dichloroethane	4.96	62	143439	44.706	ug/l	100
43) Isopropyl Acetate	6.97	43	101846	45.243	ug/l #	99
44) Trichloroethene	5.52	130	138862	46.520	ug/l	91
45) 1,2-Dichloropropane	6.25	63	120192	49.093	ug/l	99
46) Dibromomethane	6.10	93	76559	47.523	ug/l	91
47) Bromodichloromethane	6.40	83	188255	45.907	ug/l	97
48) Methyl methacrylate	6.73	41	67272	46.151	ug/l	95
49) 1,4-Dioxane	6.72	88	9725	962.875	ug/l #	82
51) 4-Methyl-2-Pentanone	8.27	43	362950	232.145	ug/l	98
52) Toluene	7.64	92	290581	46.407	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	143059	42.794	ug/l	94
54) cis-1,3-Dichloropropene	7.32	75	194244	45.717	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	85613	47.545	ug/l	97
56) Ethyl methacrylate	8.63	69	96638	48.560	ug/l	97
57) 1,3-Dichloropropane	8.86	76	153079	45.224	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.31	63	18668	77.246	ug/l #	81
59) 2-Hexanone	9.51	43	245134	216.573	ug/l	99
60) Dibromochloromethane	8.73	129	120345	47.051	ug/l	98
61) 1,2-Dibromoethane	9.00	107	84852	43.662	ug/l	99
64) Tetrachloroethene	8.17	164	118016	48.679	ug/l	96
65) Chlorobenzene	9.81	112	317027	49.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	128301	48.567	ug/l	97
67) Ethyl Benzene	9.91	91	606845	51.318	ug/l	93
68) m/p-Xylenes	10.15	106	421442	97.657	ug/l	98
69) o-Xylene	10.73	106	244522	52.378	ug/l	98
70) Styrene	10.80	104	316705	49.280	ug/l	99
71) Bromoform	10.79	173	55029	44.742	ug/l #	100
73) Isopropylbenzene	11.13	105	665266	50.586	ug/l	100
74) N-amyl acetate	11.38	43	156894	47.254	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.71	83	114841	49.994	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	78969	46.309	ug/l	98
77) Bromobenzene	11.51	156	138190	50.055	ug/l	95
78) n-propylbenzene	11.61	91	788740	50.317	ug/l	98
79) 2-Chlorotoluene	11.72	91	468526	51.754	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	537345	50.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	34503m	44.146	ug/l	
82) 4-Chlorotoluene	11.91	91	441177	48.073	ug/l	98
83) tert-Butylbenzene	12.14	119	550724	50.310	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	542476	51.325	ug/l	99
85) sec-Butylbenzene	12.32	105	766706	51.635	ug/l	99
86) p-Isopropyltoluene	12.46	119	603403	49.320	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	252267	47.354	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	257756	49.589	ug/l	98
89) n-Butylbenzene	12.85	91	636491	50.635	ug/l	96
90) Hexachloroethane	12.93	117	150696	49.925	ug/l	97
91) 1,2-Dichlorobenzene	12.95	146	246331	47.866	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	20406	49.433	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	181289	50.308	ug/l	97
94) Hexachlorobutadiene	14.20	225	113301	49.348	ug/l	98
95) Naphthalene	14.47	128	344804	51.190	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	162316	48.580	ug/l	97

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

