

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\
 Data File : VF061534.D
 Acq On : 28 Jan 2019 11:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 12:18:47 PM

Quant Time: Jan 29 05:43:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	210610	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	360586	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	309054	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	142671	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	111073	42.72	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	85.44%	
35) Dibromofluoromethane	4.09	113	127913	44.96	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	89.92%	
50) Toluene-d8	7.53	98	359703	46.14	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.28%	
62) 4-Bromofluorobenzene	11.40	95	143884	39.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	173117	41.834	ug/l	88
3) Chloromethane	1.10	50	133657	44.049	ug/l	93
4) Vinyl Chloride	1.13	62	123466	45.743	ug/l	100
5) Bromomethane	1.32	94	91025	51.716	ug/l	92
6) Chloroethane	1.39	64	60480	50.569	ug/l	92
7) Trichlorofluoromethane	1.48	101	213188	40.629	ug/l	95
8) Diethyl Ether	1.62	74	34102	50.721	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	111830	44.354	ug/l	91
10) Methyl Iodide	1.91	142	186858m	47.806	ug/l	
11) Tert butyl alcohol	2.56	59	24165	219.554	ug/l	98
12) 1,1-Dichloroethene	1.79	96	93646	49.994	ug/l	80
13) Acrolein	1.99	56	21763	230.406	ug/l	89
14) Allyl chloride	2.09	41	132364	64.131	ug/l	89
15) Acrylonitrile	2.93	53	63546	225.397	ug/l	91
16) Acetone	2.23	43	133679	256.266	ug/l	100
17) Carbon Disulfide	1.80	76	275794m	47.220	ug/l	
18) Methyl Acetate	2.33	43	49351	47.705	ug/l	97
19) Methyl tert-butyl Ether	2.41	73	176092	41.936	ug/l	99
20) Methylene Chloride	2.17	84	89386m	50.497	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	82463	40.013	ug/l	92
22) Diisopropyl ether	2.79	45	318580	47.792	ug/l	97
23) Vinyl Acetate	3.17	43	740885	252.655	ug/l	100
24) 1,1-Dichloroethane	2.86	63	187128	44.728	ug/l	98
25) 2-Butanone	4.32	43	225960	260.483	ug/l	95
26) 2,2-Dichloropropane	3.58	77	112919	43.930	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	147902	48.616	ug/l	98
28) Bromochloromethane	3.70	49	88574	47.099	ug/l #	92
29) Tetrahydrofuran	4.05	42	89046	238.394	ug/l	98
30) Chloroform	3.83	83	268461	47.547	ug/l	94
31) Cyclohexane	3.67	56	201048m	48.107	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	192899m	46.594	ug/l	
36) 1,1-Dichloropropene	4.26	75	204361	48.881	ug/l	97
37) Ethyl Acetate	4.09	43	76545	45.802	ug/l #	75
38) Carbon Tetrachloride	3.97	117	159305	43.585	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	209089	46.148	ug/l	95
40) Benzene	4.61	78	442543	47.570	ug/l	99
41) Methacrylonitrile	4.72	41	43344	48.742	ug/l	97
42) 1,2-Dichloroethane	4.92	62	154340	46.557	ug/l	98
43) Isopropyl Acetate	6.94	43	98750	47.080	ug/l #	96
44) Trichloroethene	5.48	130	131193	45.971	ug/l	94
45) 1,2-Dichloropropane	6.21	63	118906	48.700	ug/l	100
46) Dibromomethane	6.06	93	76464	47.098	ug/l	96
47) Bromodichloromethane	6.37	83	194203	48.346	ug/l	98
48) Methyl methacrylate	6.69	41	63177	44.855	ug/l	87
49) 1,4-Dioxane	6.68	88	9246	935.988	ug/l #	85
51) 4-Methyl-2-Pentanone	8.23	43	363060	235.450	ug/l	97
52) Toluene	7.60	92	291473	47.577	ug/l	100
53) t-1,3-Dichloropropene	8.26	75	152030	47.663	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	187329	46.985	ug/l	95
55) 1,1,2-Trichloroethane	8.47	97	78887	45.345	ug/l	92
56) Ethyl methacrylate	8.60	69	93245	46.069	ug/l	98
57) 1,3-Dichloropropane	8.83	76	142405	43.671	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.28	63	54316	255.261	ug/l	98
59) 2-Hexanone	9.48	43	268443	249.655	ug/l	98
60) Dibromochloromethane	8.70	129	115553	45.433	ug/l	99
61) 1,2-Dibromoethane	8.96	107	84446	42.401	ug/l	94
64) Tetrachloroethene	8.13	164	115838	49.842	ug/l	98
65) Chlorobenzene	9.78	112	312977	49.799	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	132195	52.801	ug/l	99
67) Ethyl Benzene	9.88	91	568719	49.529	ug/l	99
68) m/p-Xylenes	10.11	106	398194	96.416	ug/l	96
69) o-Xylene	10.70	106	220126	49.178	ug/l	88
70) Styrene	10.77	104	291216	47.529	ug/l	99
71) Bromoform	10.76	173	56325	50.071	ug/l #	99
73) Isopropylbenzene	11.10	105	636130	54.821	ug/l	97
74) N-amyl acetate	11.36	43	151676	55.279	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	104969	50.779	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	72681	48.932	ug/l	92
77) Bromobenzene	11.48	156	129610	52.889	ug/l	93
78) n-propylbenzene	11.58	91	744207	53.063	ug/l	99
79) 2-Chlorotoluene	11.71	91	415377	51.593	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	484348	51.723	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	35067m	54.309	ug/l	
82) 4-Chlorotoluene	11.88	91	412471	50.770	ug/l	99
83) tert-Butylbenzene	12.12	119	518013	53.446	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	499091	51.742	ug/l	98
85) sec-Butylbenzene	12.30	105	719940	54.697	ug/l	100
86) p-Isopropyltoluene	12.44	119	574877	53.205	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	236869	48.460	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	242475	52.361	ug/l	98
89) n-Butylbenzene	12.83	91	594298	53.333	ug/l	96
90) Hexachloroethane	12.91	117	147593	57.948	ug/l	92
91) 1,2-Dichlorobenzene	12.93	146	227970	49.729	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19526	53.255	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	161321	50.234	ug/l	99
94) Hexachlorobutadiene	14.18	225	103144	51.760	ug/l	98
95) Naphthalene	14.45	128	318659	52.227	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	146904	49.416	ug/l	96

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

