

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
 Data File : VF061272.D
 Acq On : 7 Jan 2019 11:31
 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
 1/8/2019 12:57:52 PM

Quant Time: Jan 08 00:21:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.83	168	228293	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.56	114	400380	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.74	117	344295	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	175329	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	140181	48.37	ug/l	-0.04
Spiked Amount 50.000			Recovery =	96.74%		
35) Dibromofluoromethane	4.07	113	154502	50.16	ug/l	-0.05
Spiked Amount 50.000			Recovery =	100.32%		
50) Toluene-d8	7.52	98	464275	50.79	ug/l	-0.04
Spiked Amount 50.000			Recovery =	101.58%		
62) 4-Bromofluorobenzene	11.39	95	197254	48.70	ug/l	-0.02
Spiked Amount 50.000			Recovery =	97.40%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.94	85	196611	44.854	ug/l	99
3) Chloromethane	1.07	50	149698	44.579	ug/l	94
4) Vinyl Chloride	1.12	62	137388	47.234	ug/l	99
5) Bromomethane	1.30	94	98481	49.523	ug/l	92
6) Chloroethane	1.36	64	60977	46.259	ug/l	96
7) Trichlorofluoromethane	1.46	101	246901	47.171	ug/l	96
8) Diethyl Ether	1.61	74	37799	50.619	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.80	101	123444	47.205	ug/l	98
10) Methyl Iodide	1.87	142	201656m	47.727	ug/l	
11) Tert butyl alcohol	2.54	59	27657	226.175	ug/l #	87
12) 1,1-Dichloroethene	1.76	96	101813	46.316	ug/l	96
13) Acrolein	1.98	56	24563	246.174	ug/l	85
14) Allyl chloride	2.08	41	173994	57.254	ug/l	99
15) Acrylonitrile	2.92	53	72629	222.167	ug/l	99
16) Acetone	2.22	43	160890	325.155	ug/l	97
17) Carbon Disulfide	1.77	76	321090	47.969	ug/l #	93
18) Methyl Acetate	2.32	43	49929	44.301	ug/l	98
19) Methyl tert-butyl Ether	2.40	73	206797	45.132	ug/l	97
20) Methylene Chloride	2.16	84	98999m	44.202	ug/l	
21) trans-1,2-Dichloroethene	2.28	96	98290	42.513	ug/l	98
22) Diisopropyl ether	2.77	45	350713	45.896	ug/l	95
23) Vinyl Acetate	3.15	43	701122	200.347	ug/l	99
24) 1,1-Dichloroethane	2.85	63	205692	45.911	ug/l	99
25) 2-Butanone	4.30	43	246105	255.401	ug/l	95
26) 2,2-Dichloropropane	3.56	77	124392	48.214	ug/l	93
27) cis-1,2-Dichloroethene	3.44	96	155628	45.808	ug/l	98
28) Bromochloromethane	3.69	49	109659	51.704	ug/l	92
29) Tetrahydrofuran	4.03	42	101211	260.995	ug/l	97
30) Chloroform	3.82	83	285452	45.550	ug/l	95
31) Cyclohexane	3.66	56	217942	45.896	ug/l	97
32) 1,1,1-Trichloroethane	4.06	97	219140	53.836	ug/l	97
36) 1,1-Dichloropropene	4.25	75	220220	46.702	ug/l	98
37) Ethyl Acetate	4.07	43	88804	47.167	ug/l	86
38) Carbon Tetrachloride	3.95	117	205687m	54.484	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	235229	46.667	ug/l	96
40) Benzene	4.59	78	457796	42.778	ug/l	98
41) Methacrylonitrile	4.70	41	47023	48.442	ug/l	97
42) 1,2-Dichloroethane	4.91	62	166472	46.493	ug/l	94
43) Isopropyl Acetate	6.93	43	119710	47.652	ug/l	98
44) Trichloroethene	5.47	130	145313	43.622	ug/l	95
45) 1,2-Dichloropropane	6.20	63	128927	47.188	ug/l	97
46) Dibromomethane	6.05	93	82844	46.080	ug/l	97
47) Bromodichloromethane	6.35	83	205003	44.795	ug/l	98
48) Methyl methacrylate	6.68	41	74171	45.596	ug/l	96
49) 1,4-Dioxane	6.67	88	9895	877.889	ug/l #	80
51) 4-Methyl-2-Pentanone	8.22	43	408910	259.432	ug/l	100
52) Toluene	7.59	92	298251	42.682	ug/l	100
53) t-1,3-Dichloropropene	8.24	75	165786	44.438	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	218998	46.186	ug/l	99
55) 1,1,2-Trichloroethane	8.46	97	93717	46.636	ug/l	96
56) Ethyl methacrylate	8.59	69	110861	49.918	ug/l	97
57) 1,3-Dichloropropane	8.81	76	153953	40.755	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	31297	116.044	ug/l	93
59) 2-Hexanone	9.46	43	313184	247.938	ug/l	100
60) Dibromochloromethane	8.69	129	136178	47.708	ug/l	92
61) 1,2-Dibromoethane	8.95	107	93136	42.944	ug/l	95
64) Tetrachloroethene	8.11	164	131346	49.780	ug/l	99
65) Chlorobenzene	9.76	112	326891	46.692	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.90	131	135194	47.022	ug/l	96
67) Ethyl Benzene	9.87	91	610286	47.420	ug/l	97
68) m/p-Xylenes	10.10	106	434612	92.535	ug/l	98
69) o-Xylene	10.68	106	247464	48.706	ug/l	96
70) Styrene	10.76	104	323281	46.221	ug/l	99
71) Bromoform	10.75	173	68739	51.354	ug/l #	97
73) Isopropylbenzene	11.10	105	708916	47.600	ug/l	98
74) N-amyl acetate	11.35	43	190557	50.679	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	122378	47.043	ug/l	99
76) 1,2,3-Trichloropropane	11.77	75	90056	46.633	ug/l	94
77) Bromobenzene	11.47	156	152733	48.851	ug/l	98
78) n-propylbenzene	11.57	91	813055	45.801	ug/l	99
79) 2-Chlorotoluene	11.69	91	463427	45.203	ug/l	99
80) 1,3,5-Trimethylbenzene	11.80	105	550459	45.783	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.84	75	37745m	42.645	ug/l	
82) 4-Chlorotoluene	11.87	91	471626	45.379	ug/l	99
83) tert-Butylbenzene	12.11	119	576284	46.487	ug/l	96
84) 1,2,4-Trimethylbenzene	12.18	105	573568	47.920	ug/l	100
85) sec-Butylbenzene	12.29	105	777316	46.226	ug/l	98
86) p-Isopropyltoluene	12.43	119	632226	45.631	ug/l	97
87) 1,3-Dichlorobenzene	12.45	146	273420	45.321	ug/l	98
88) 1,4-Dichlorobenzene	12.54	146	271239	46.079	ug/l	99
89) n-Butylbenzene	12.82	91	637366	51.375	ug/l	97
90) Hexachloroethane	12.90	117	161897	47.363	ug/l	83
91) 1,2-Dichlorobenzene	12.92	146	263815	45.267	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.62	75	22254	47.604	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	190412	46.659	ug/l	96
94) Hexachlorobutadiene	14.17	225	121852	46.864	ug/l	98
95) Naphthalene	14.44	128	367979	48.240	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	181741	48.031	ug/l	96

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

