

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\
 Data File : VF061468.D
 Acq On : 21 Jan 2019 11:39
 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
 1/22/2019 2:50:05 PM

Quant Time: Jan 22 06:35:17 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	4.87	168	178333	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.59	114	295049	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	301041	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	141627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	100620	45.70	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.40%	
35) Dibromofluoromethane	4.12	113	119327	51.25	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	7.56	98	347480	54.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.94%	
62) 4-Bromofluorobenzene	11.41	95	148067	49.68	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	178263	50.874	ug/l	94
3) Chloromethane	1.09	50	147127	57.264	ug/l	99
4) Vinyl Chloride	1.14	62	131194	57.403	ug/l	95
5) Bromomethane	1.30	94	81008	54.355	ug/l	89
6) Chloroethane	1.37	64	58414	57.681	ug/l	95
7) Trichlorofluoromethane	1.48	101	223307	50.260	ug/l	99
8) Diethyl Ether	1.63	74	30644	53.827	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.82	101	109000	51.057	ug/l	95
10) Methyl Iodide	1.89	142	187830m	56.752	ug/l	
11) Tert butyl alcohol	2.56	59	21960	235.632	ug/l #	93
12) 1,1-Dichloroethene	1.78	96	94543	59.608	ug/l	90
13) Acrolein	1.99	56	27430	337.914	ug/l	90
14) Allyl chloride	2.09	41	164050	85.493	ug/l	83
15) Acrylonitrile	2.93	53	59246	248.180	ug/l	99
16) Acetone	2.23	43	139614	316.085	ug/l	93
17) Carbon Disulfide	1.77	76	296694	59.992	ug/l	95
18) Methyl Acetate	2.34	43	40852	46.637	ug/l #	86
19) Methyl tert-butyl Ether	2.43	73	171608	48.265	ug/l	98
20) Methylene Chloride	2.18	84	102012m	68.694	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	97447	55.841	ug/l	97
22) Diisopropyl ether	2.79	45	304728	53.988	ug/l	98
23) Vinyl Acetate	3.19	43	613477	247.142	ug/l	99
24) 1,1-Dichloroethane	2.87	63	184116	51.973	ug/l	98
25) 2-Butanone	4.32	43	181664	247.322	ug/l	97
26) 2,2-Dichloropropane	3.60	77	119904	55.090	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	133356	51.769	ug/l	97
28) Bromochloromethane	3.72	49	74389	46.715	ug/l	88
29) Tetrahydrofuran	4.07	42	75642	239.161	ug/l	97
30) Chloroform	3.86	83	228014	47.693	ug/l	98
31) Cyclohexane	3.69	56	186845	52.801	ug/l	98
32) 1,1,1-Trichloroethane	4.10	97	190861	54.446	ug/l	97
36) 1,1-Dichloropropene	4.28	75	177515	51.891	ug/l	95
37) Ethyl Acetate	4.11	43	64812	47.396	ug/l #	69
38) Carbon Tetrachloride	4.00	117	168540	56.354	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	206054	55.580	ug/l	97
40) Benzene	4.64	78	394182	51.783	ug/l	97
41) Methacrylonitrile	4.75	41	34415	47.297	ug/l	93
42) 1,2-Dichloroethane	4.94	62	131200	48.368	ug/l	96
43) Isopropyl Acetate	6.96	43	81408	47.433	ug/l #	90
44) Trichloroethene	5.51	130	119758	51.285	ug/l	100
45) 1,2-Dichloropropane	6.24	63	104732	52.422	ug/l	99
46) Dibromomethane	6.09	93	65318	49.169	ug/l	97
47) Bromodichloromethane	6.38	83	168012	51.117	ug/l	98
48) Methyl methacrylate	6.72	41	56152	48.723	ug/l	92
49) 1,4-Dioxane	6.71	88	9039	1132.809	ug/l #	70
51) 4-Methyl-2-Pentanone	8.26	43	314629	249.364	ug/l	96
52) Toluene	7.63	92	262304	52.326	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	134715	51.616	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	172725	52.945	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	74898	52.615	ug/l	99
56) Ethyl methacrylate	8.62	69	82441	49.778	ug/l	95
57) 1,3-Dichloropropane	8.85	76	131740	49.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	34987	206.801	ug/l	98
59) 2-Hexanone	9.49	43	250092	284.252	ug/l	98
60) Dibromochloromethane	8.71	129	109521	52.626	ug/l	94
61) 1,2-Dibromoethane	8.99	107	77347	47.463	ug/l	88
64) Tetrachloroethene	8.15	164	107735	47.589	ug/l	99
65) Chlorobenzene	9.80	112	304636	49.762	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	118631	48.644	ug/l	98
67) Ethyl Benzene	9.91	91	542486	48.501	ug/l	98
68) m/p-Xylenes	10.13	106	368173	91.520	ug/l	98
69) o-Xylene	10.71	106	206517	47.366	ug/l	93
70) Styrene	10.79	104	292765	49.054	ug/l	94
71) Bromoform	10.77	173	51637	47.125	ug/l #	94
73) Isopropylbenzene	11.13	105	608814	52.854	ug/l	100
74) N-amyl acetate	11.38	43	135575	49.775	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	97190	47.363	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	69826	47.356	ug/l	100
77) Bromobenzene	11.49	156	117259	48.202	ug/l	90
78) n-propylbenzene	11.59	91	709943	50.691	ug/l	100
79) 2-Chlorotoluene	11.72	91	406428	50.853	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	489122	52.617	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	32586m	50.838	ug/l	
82) 4-Chlorotoluene	11.90	91	404786	50.191	ug/l	99
83) tert-Butylbenzene	12.13	119	490260	50.955	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	474973	49.605	ug/l	98
85) sec-Butylbenzene	12.30	105	663368	50.770	ug/l	96
86) p-Isopropyltoluene	12.46	119	542945	50.620	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	227008	46.599	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	225453	49.044	ug/l	96
89) n-Butylbenzene	12.85	91	562848	50.883	ug/l	98
90) Hexachloroethane	12.91	117	137899	54.541	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	220482	48.450	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	17156	47.136	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	146293	45.890	ug/l	98
94) Hexachlorobutadiene	14.19	225	99322	50.209	ug/l	98
95) Naphthalene	14.45	128	278964	46.058	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	135430	45.892	ug/l	98

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

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