

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061157.D
 Acq On : 24 Dec 2018 11:06
 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

apatel
 12/27/2018 12:57:28 PM

Quant Time: Dec 25 00:02:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	210755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	349838	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	334719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	154207	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	115623	42.65	ug/l	0.00
Spiked Amount			Recovery	=	85.30%	
35) Dibromofluoromethane	4.10	113	135676	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	7.55	98	408854	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.41	95	164334	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	204436	43.637	ug/l	95
3) Chloromethane	1.11	50	141650	52.783	ug/l	98
4) Vinyl Chloride	1.14	62	124369	49.958	ug/l	95
5) Bromomethane	1.33	94	93348	54.061	ug/l	97
6) Chloroethane	1.38	64	61445	53.566	ug/l	92
7) Trichlorofluoromethane	1.48	101	225104	47.357	ug/l	100
8) Diethyl Ether	1.63	74	31925	49.046	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.83	101	120497	48.892	ug/l	94
10) Methyl Iodide	1.89	142	197657m	50.878	ug/l	
11) Tert butyl alcohol	2.58	59	27894	255.004	ug/l	99
12) 1,1-Dichloroethene	1.79	96	98896	53.233	ug/l	91
13) Acrolein	2.00	56	21679	274.271	ug/l #	78
14) Allyl chloride	2.09	41	121070	62.622	ug/l	87
15) Acrylonitrile	2.94	53	72954	288.419	ug/l	97
16) Acetone	2.24	43	138216	255.061	ug/l #	91
17) Carbon Disulfide	1.84	76	282587	50.333	ug/l #	93
18) Methyl Acetate	2.34	43	54598	48.699	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	198685	48.182	ug/l	96
20) Methylene Chloride	2.24	84	108136m	63.676	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	101550m	51.107	ug/l	
22) Diisopropyl ether	2.80	45	351919	54.646	ug/l	94
23) Vinyl Acetate	3.19	43	790707	266.148	ug/l	99
24) 1,1-Dichloroethane	2.87	63	205758	53.924	ug/l	98
25) 2-Butanone	4.33	43	232082	264.076	ug/l	100
26) 2,2-Dichloropropane	3.59	77	110221	50.335	ug/l	92
27) cis-1,2-Dichloroethene	3.47	96	162692	53.482	ug/l	97
28) Bromochloromethane	3.71	49	95302	49.224	ug/l	93
29) Tetrahydrofuran	4.06	42	91573	256.005	ug/l	98
30) Chloroform	3.86	83	278882	48.744	ug/l	94
31) Cyclohexane	3.69	56	205147	51.813	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	182545	53.232	ug/l	98
36) 1,1-Dichloropropene	4.27	75	211524	50.091	ug/l	97
37) Ethyl Acetate	4.10	43	84747	51.960	ug/l #	74
38) Carbon Tetrachloride	3.99	117	171470	53.321	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	229475	60.573	ug/l	99
40) Benzene	4.63	78	491293	54.100	ug/l	95
41) Methacrylonitrile	4.75	41	46960	52.657	ug/l	93
42) 1,2-Dichloroethane	4.94	62	164339	47.638	ug/l	97
43) Isopropyl Acetate	6.96	43	114137	55.978	ug/l #	99
44) Trichloroethene	5.51	130	142222	49.675	ug/l	96
45) 1,2-Dichloropropane	6.24	63	129527	52.426	ug/l	100
46) Dibromomethane	6.09	93	80794	50.419	ug/l	97
47) Bromodichloromethane	6.38	83	213286	51.227	ug/l	99
48) Methyl methacrylate	6.72	41	73417	51.578	ug/l	89
49) 1,4-Dioxane	6.71	88	9983	966.567	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	367798	263.019	ug/l	98
52) Toluene	7.63	92	321829	53.538	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	167274	49.802	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	223030	52.907	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	90500	50.220	ug/l	94
56) Ethyl methacrylate	8.61	69	105452	54.078	ug/l	97
57) 1,3-Dichloropropane	8.85	76	171708	52.683	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	92414	246.760	ug/l	97
59) 2-Hexanone	9.49	43	279688	276.571	ug/l	98
60) Dibromochloromethane	8.71	129	131676	50.974	ug/l	94
61) 1,2-Dibromoethane	8.99	107	100162	52.043	ug/l	98
64) Tetrachloroethene	8.15	164	129230	50.189	ug/l	97
65) Chlorobenzene	9.80	112	363664	52.592	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	133390	47.204	ug/l	97
67) Ethyl Benzene	9.90	91	634910	50.400	ug/l	96
68) m/p-Xylenes	10.13	106	470124	106.042	ug/l	93
69) o-Xylene	10.71	106	249748	50.794	ug/l	90
70) Styrene	10.79	104	345024	58.407	ug/l	99
71) Bromoform	10.77	173	65279	49.932	ug/l #	100
73) Isopropylbenzene	11.13	105	736230	55.402	ug/l	99
74) N-amyl acetate	11.37	43	163526	55.426	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	114148	51.756	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	81997	49.958	ug/l	99
77) Bromobenzene	11.49	156	147565	51.585	ug/l	95
78) n-propylbenzene	11.59	91	830875	55.598	ug/l	99
79) 2-Chlorotoluene	11.72	91	466720	51.197	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	546115	49.908	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	39591m	56.134	ug/l	
82) 4-Chlorotoluene	11.90	91	468783	49.710	ug/l	100
83) tert-Butylbenzene	12.13	119	577244	51.265	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	548319	50.250	ug/l	98
85) sec-Butylbenzene	12.30	105	774727	52.723	ug/l	97
86) p-Isopropyltoluene	12.46	119	648609	53.178	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	279842	61.142	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	273618	52.090	ug/l	98
89) n-Butylbenzene	12.84	91	646541	53.312	ug/l	99
90) Hexachloroethane	12.91	117	157832	52.376	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	258604	50.567	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	21532	53.202	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	183042	50.468	ug/l	98
94) Hexachlorobutadiene	14.19	225	122233	52.915	ug/l	95
95) Naphthalene	14.45	128	335529	50.663	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	172348	51.403	ug/l	98

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

