

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021319\
 Data File : VF061627.D
 Acq On : 13 Feb 2019 17:34
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 12:42:00 PM

Quant Time: Feb 14 03:30:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:03:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	273476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	409715	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	364763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	195108	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	101933	29.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	59.92%	
35) Dibromofluoromethane	4.12	113	146488	45.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.88%	
50) Toluene-d8	7.56	98	444139	50.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.42	95	167882	43.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	141595	29.507	ug/l	100
3) Chloromethane	1.10	50	159848	42.534	ug/l	100
4) Vinyl Chloride	1.14	62	147192	45.062	ug/l	100
5) Bromomethane	1.32	94	108273	44.595	ug/l	100
6) Chloroethane	1.40	64	73781	48.499	ug/l	100
7) Trichlorofluoromethane	1.49	101	177278	30.912	ug/l	100
8) Diethyl Ether	1.63	74	45992	51.219	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	126360	40.811	ug/l	100
10) Methyl Iodide	1.91	142	252784m	49.485	ug/l	
11) Tert butyl alcohol	2.58	59	28278	196.121	ug/l	100
12) 1,1-Dichloroethene	1.80	96	113365	44.813	ug/l	100
13) Acrolein	2.01	56	37678	235.780	ug/l	100
14) Allyl chloride	2.10	41	145109	39.466	ug/l	100
15) Acrylonitrile	2.96	53	99198	250.101	ug/l	100
16) Acetone	2.25	43	108934	212.910	ug/l	100
17) Carbon Disulfide	1.83	76	361186	46.853	ug/l	100
18) Methyl Acetate	2.35	43	42843	39.187	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	196436	38.138	ug/l	100
20) Methylene Chloride	2.19	84	112161m	37.324	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	123923	47.423	ug/l	100
22) Diisopropyl ether	2.81	45	335278	39.830	ug/l	100
23) Vinyl Acetate	3.20	43	816568	197.921	ug/l	100
24) 1,1-Dichloroethane	2.88	63	198415	39.021	ug/l	100
25) 2-Butanone	4.34	43	226255	217.179	ug/l	100
26) 2,2-Dichloropropane	3.62	77	85939	34.687	ug/l	100
27) cis-1,2-Dichloroethene	3.49	96	161655	43.539	ug/l	100
28) Bromochloromethane	3.72	49	106088	41.967	ug/l	100
29) Tetrahydrofuran	4.09	42	101199	207.378	ug/l	100
30) Chloroform	3.87	83	236724	34.377	ug/l	100
31) Cyclohexane	3.70	56	219428m	43.466	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	164098m	35.316	ug/l	
36) 1,1-Dichloropropene	4.30	75	191213	41.790	ug/l	100
37) Ethyl Acetate	4.13	43	84500	42.005	ug/l	100
38) Carbon Tetrachloride	4.00	117	131225	35.066	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	232505	50.035	ug/l	100
40) Benzene	4.64	78	509962	49.734	ug/l	100
41) Methacrylonitrile	4.76	41	46157	45.783	ug/l	100
42) 1,2-Dichloroethane	4.96	62	125024	35.240	ug/l	100
43) Isopropyl Acetate	6.97	43	101181	44.305	ug/l	100
44) Trichloroethene	5.51	130	161592	51.596	ug/l	100
45) 1,2-Dichloropropane	6.25	63	126234	47.724	ug/l	100
46) Dibromomethane	6.10	93	79934	46.263	ug/l	100
47) Bromodichloromethane	6.40	83	172796	39.638	ug/l	100
48) Methyl methacrylate	6.72	41	64875	42.522	ug/l	100
49) 1,4-Dioxane	6.71	88	12734	1188.998	ug/l	100
51) 4-Methyl-2-Pentanone	8.27	43	382030	222.407	ug/l	100
52) Toluene	7.63	92	294154	45.944	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	137679	40.811	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	184065	43.050	ug/l	100
55) 1,1,2-Trichloroethane	8.50	97	93825	47.370	ug/l	100
56) Ethyl methacrylate	8.63	69	99301	45.222	ug/l	100
57) 1,3-Dichloropropane	8.86	76	151913	44.059	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	85301	230.291	ug/l	100
59) 2-Hexanone	9.50	43	263504	226.483	ug/l	100
60) Dibromochloromethane	8.72	129	130490	47.420	ug/l	100
61) 1,2-Dibromoethane	9.00	107	99319	48.080	ug/l	100
64) Tetrachloroethene	8.16	164	142612	51.672	ug/l	100
65) Chlorobenzene	9.81	112	349721	49.294	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	138278	47.257	ug/l	100
67) Ethyl Benzene	9.91	91	569146	44.063	ug/l	100
68) m/p-Xylenes	10.14	106	437637	97.660	ug/l	100
69) o-Xylene	10.73	106	243881	49.348	ug/l	100
70) Styrene	10.79	104	331441	48.431	ug/l	100
71) Bromoform	10.78	173	76947	55.559	ug/l	100
73) Isopropylbenzene	11.13	105	670882	44.485	ug/l	100
74) N-amyl acetate	11.38	43	164675	43.367	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.70	83	120778	42.905	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	82107	41.053	ug/l	100
77) Bromobenzene	11.50	156	160645	48.417	ug/l	100
78) n-propylbenzene	11.60	91	758912	41.894	ug/l	100
79) 2-Chlorotoluene	11.73	91	440142	42.670	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	540693	43.460	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.88	75	40724m	48.711	ug/l	
82) 4-Chlorotoluene	11.91	91	441526	41.202	ug/l	100
83) tert-Butylbenzene	12.14	119	617832	48.300	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	521498	42.700	ug/l	100
85) sec-Butylbenzene	12.31	105	779819	45.616	ug/l	100
86) p-Isopropyltoluene	12.46	119	641569	45.884	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	312132	48.403	ug/l	100
88) 1,4-Dichlorobenzene	12.57	146	302702	49.340	ug/l	100
89) n-Butylbenzene	12.85	91	608359	42.960	ug/l	100
90) Hexachloroethane	12.92	117	157279	44.349	ug/l	100
91) 1,2-Dichlorobenzene	12.94	146	301751	50.237	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20293	41.578	ug/l	100

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93) 1,2,4-Trichlorobenzene	14.21	180	216801	51.404	ug/l	100
94) Hexachlorobutadiene	14.20	225	136432	52.435	ug/l	100
95) Naphthalene	14.46	128	397979	49.913	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	207925	54.883	ug/l	100

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

