

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021319\
 Data File : VF061624.D
 Acq On : 13 Feb 2019 16:08
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 12:41:41 PM

Quant Time: Feb 14 03:20:52 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	4.88	168	315580	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	453059	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	385693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	232256	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	11727	2.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	5.98%	
35) Dibromofluoromethane	4.12	113	18347	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
50) Toluene-d8	7.56	98	52032	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
62) 4-Bromofluorobenzene	11.41	95	22051	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	17797	3.214	ug/l	88
3) Chloromethane	1.09	50	18514	4.269	ug/l	99
4) Vinyl Chloride	1.14	62	16804	4.458	ug/l	88
5) Bromomethane	1.32	94	11361	4.055	ug/l	97
6) Chloroethane	1.39	64	8901	5.070	ug/l #	75
7) Trichlorofluoromethane	1.49	101	21983m	3.322	ug/l	
8) Diethyl Ether	1.63	74	5839	5.635	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.83	101	16853	4.717	ug/l	98
10) Methyl Iodide	1.91	142	29722m	5.042	ug/l	
11) Tert butyl alcohol	2.58	59	3401	20.441	ug/l #	86
12) 1,1-Dichloroethene	1.80	96	14380	4.926	ug/l	85
13) Acrolein	2.01	56	4131m	22.402	ug/l	
14) Allyl chloride	2.10	41	16405	3.866	ug/l	89
15) Acrylonitrile	2.94	53	12679	27.702	ug/l	99
16) Acetone	2.24	43	12018	20.355	ug/l #	86
17) Carbon Disulfide	1.83	76	42495m	4.777	ug/l	
18) Methyl Acetate	2.35	43	6328m	5.016	ug/l	
19) Methyl tert-butyl Ether	2.43	73	22016	3.704	ug/l	94
20) Methylene Chloride	2.19	84	19306m	5.567	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	15604	5.175	ug/l	90
22) Diisopropyl ether	2.80	45	39731	4.090	ug/l #	95
23) Vinyl Acetate	3.19	43	89058	18.706	ug/l	96
24) 1,1-Dichloroethane	2.88	63	24376	4.154	ug/l	98
25) 2-Butanone	4.35	43	28355	23.586	ug/l	91
26) 2,2-Dichloropropane	3.61	77	10442	3.652	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	19443	4.538	ug/l	96
28) Bromochloromethane	3.72	49	12047	4.130	ug/l #	90
29) Tetrahydrofuran	4.10	42	12423	22.061	ug/l	93
30) Chloroform	3.87	83	28147	3.542	ug/l	86
31) Cyclohexane	3.69	56	27136m	4.658	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	15427	2.877	ug/l	94
36) 1,1-Dichloropropene	4.29	75	25010	4.943	ug/l	91
37) Ethyl Acetate	4.12	43	11981	5.386	ug/l #	86
38) Carbon Tetrachloride	4.00	117	15658	3.784	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	27514	5.354	ug/l	98
40) Benzene	4.64	78	59859	5.279	ug/l	98
41) Methacrylonitrile	4.76	41	5288	4.743	ug/l #	86
42) 1,2-Dichloroethane	4.95	62	14071	3.587	ug/l	97
43) Isopropyl Acetate	6.97	43	13225	5.237	ug/l #	96
44) Trichloroethene	5.51	130	21083	6.088	ug/l	91
45) 1,2-Dichloropropane	6.25	63	13115	4.484	ug/l	95
46) Dibromomethane	6.10	93	7968	4.170	ug/l	86
47) Bromodichloromethane	6.40	83	19671	4.081	ug/l #	99
48) Methyl methacrylate	6.73	41	7632	4.524	ug/l #	89
49) 1,4-Dioxane	6.73	88	1321	111.544	ug/l #	67
51) 4-Methyl-2-Pentanone	8.27	43	45733	24.077	ug/l	94
52) Toluene	7.64	92	37862	5.348	ug/l	97
53) t-1,3-Dichloropropene	8.29	75	14984	4.017	ug/l	91
54) cis-1,3-Dichloropropene	7.31	75	21406	4.528	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	10831	4.945	ug/l #	88
56) Ethyl methacrylate	8.63	69	11748	4.838	ug/l	88
57) 1,3-Dichloropropane	8.86	76	17453	4.578	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.30	63	9199	22.459	ug/l #	83
59) 2-Hexanone	9.50	43	31560	24.531	ug/l	100
60) Dibromochloromethane	8.72	129	14404	4.734	ug/l	91
61) 1,2-Dibromoethane	9.00	107	11187	4.897	ug/l	86
64) Tetrachloroethene	8.16	164	17267	5.917	ug/l	89
65) Chlorobenzene	9.81	112	41508	5.533	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	16665	5.386	ug/l	95
67) Ethyl Benzene	9.91	91	75096	5.498	ug/l	97
68) m/p-Xylenes	10.14	106	58021	12.245	ug/l	94
69) o-Xylene	10.72	106	27616	5.285	ug/l	99
70) Styrene	10.79	104	41366	5.717	ug/l	95
71) Bromoform	10.78	173	8547	5.836	ug/l	93
73) Isopropylbenzene	11.13	105	85507	4.763	ug/l	98
74) N-amyl acetate	11.38	43	19761	4.372	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	15279	4.560	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	10882	4.571	ug/l	84
77) Bromobenzene	11.50	156	20729	5.248	ug/l	95
78) n-propylbenzene	11.60	91	105843	4.908	ug/l	100
79) 2-Chlorotoluene	11.73	91	56421	4.595	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	68409	4.619	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.88	75	4886m	4.909	ug/l	
82) 4-Chlorotoluene	11.91	91	59192	4.640	ug/l	99
83) tert-Butylbenzene	12.13	119	76536	5.026	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	71928	4.947	ug/l	97
85) sec-Butylbenzene	12.31	105	101515	4.988	ug/l	95
86) p-Isopropyltoluene	12.47	119	85626	5.144	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	44573	5.806	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	41247	5.648	ug/l	98
89) n-Butylbenzene	12.85	91	83671	4.964	ug/l	94
90) Hexachloroethane	12.92	117	18270	4.328	ug/l	88
91) 1,2-Dichlorobenzene	12.95	146	40674	5.689	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	2497	4.298	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	28693	5.715	ug/l	94
94) Hexachlorobutadiene	14.20	225	17725	5.723	ug/l	99
95) Naphthalene	14.46	128	44210	4.658	ug/l	96
96) 1,2,3-Trichlorobenzene	14.61	180	24651	5.466	ug/l	93

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

