

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021319\
 Data File : VF061626.D
 Acq On : 13 Feb 2019 17:05
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 12:41:55 PM

Quant Time: Feb 14 03:26:59 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	296182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	415670	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	370111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	210504	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	41228	11.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	22.38%	
35) Dibromofluoromethane	4.12	113	60301	18.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.88%	
50) Toluene-d8	7.56	98	171286	19.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.32%	
62) 4-Bromofluorobenzene	11.42	95	71810	18.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	75434	14.515	ug/l	99
3) Chloromethane	1.11	50	74494	18.303	ug/l	96
4) Vinyl Chloride	1.15	62	69526	19.653	ug/l #	88
5) Bromomethane	1.33	94	46026	17.504	ug/l	93
6) Chloroethane	1.39	64	34760	21.097	ug/l	93
7) Trichlorofluoromethane	1.49	101	79753m	12.840	ug/l	
8) Diethyl Ether	1.64	74	20458	21.037	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.84	101	58120	17.332	ug/l	96
10) Methyl Iodide	1.91	142	114001m	20.606	ug/l	
11) Tert butyl alcohol	2.58	59	12685	81.232	ug/l	98
12) 1,1-Dichloroethene	1.80	96	51737	18.884	ug/l	95
13) Acrolein	2.00	56	16357	94.511	ug/l	99
14) Allyl chloride	2.10	41	65850	16.537	ug/l	95
15) Acrylonitrile	2.95	53	45008	104.776	ug/l	99
16) Acetone	2.25	43	46764	84.393	ug/l	95
17) Carbon Disulfide	1.82	76	163880m	19.629	ug/l	
18) Methyl Acetate	2.35	43	20944	17.688	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	90522	16.228	ug/l	98
20) Methylene Chloride	2.19	84	54456m	16.732	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	53805	19.012	ug/l	96
22) Diisopropyl ether	2.81	45	146818	16.104	ug/l	99
23) Vinyl Acetate	3.20	43	367574	82.263	ug/l	98
24) 1,1-Dichloroethane	2.88	63	93014	16.890	ug/l	97
25) 2-Butanone	4.35	43	101408	89.878	ug/l	99
26) 2,2-Dichloropropane	3.61	77	38841	14.475	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	69859	17.373	ug/l	95
28) Bromochloromethane	3.73	49	42158	15.399	ug/l	98
29) Tetrahydrofuran	4.08	42	46934	88.804	ug/l	96
30) Chloroform	3.88	83	102205	13.704	ug/l	91
31) Cyclohexane	3.70	56	97696m	17.869	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	61801	12.281	ug/l	94
36) 1,1-Dichloropropene	4.29	75	85155	18.344	ug/l	99
37) Ethyl Acetate	4.12	43	40957	20.068	ug/l	95
38) Carbon Tetrachloride	4.00	117	58645	15.447	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	102255	21.690	ug/l	99
40) Benzene	4.65	78	234211	22.514	ug/l	98
41) Methacrylonitrile	4.75	41	22502	22.000	ug/l	91
42) 1,2-Dichloroethane	4.95	62	56199	15.614	ug/l	99
43) Isopropyl Acetate	6.97	43	48335	20.862	ug/l #	92
44) Trichloroethene	5.51	130	72082	22.686	ug/l	91
45) 1,2-Dichloropropane	6.24	63	54028	20.133	ug/l	97
46) Dibromomethane	6.10	93	33041	18.849	ug/l	93
47) Bromodichloromethane	6.40	83	70038	15.836	ug/l	96
48) Methyl methacrylate	6.73	41	27244	17.601	ug/l	94
49) 1,4-Dioxane	6.73	88	5032	463.116	ug/l #	81
51) 4-Methyl-2-Pentanone	8.26	43	179765	103.155	ug/l	98
52) Toluene	7.63	92	138360	21.301	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	62185	18.169	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	80543	18.568	ug/l	99
55) 1,1,2-Trichloroethane	8.50	97	39869	19.841	ug/l	96
56) Ethyl methacrylate	8.63	69	44205	19.843	ug/l	96
57) 1,3-Dichloropropane	8.87	76	68121	19.474	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.31	63	37912	100.886	ug/l	98
59) 2-Hexanone	9.50	43	127391	107.924	ug/l	98
60) Dibromochloromethane	8.73	129	55476	19.871	ug/l	99
61) 1,2-Dibromoethane	8.99	107	43347	20.683	ug/l	95
64) Tetrachloroethene	8.17	164	60212	21.501	ug/l	99
65) Chlorobenzene	9.81	112	155664	21.624	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	60779	20.471	ug/l	98
67) Ethyl Benzene	9.91	91	257083	19.616	ug/l	99
68) m/p-Xylenes	10.14	106	192413	42.317	ug/l	97
69) o-Xylene	10.72	106	113642	22.663	ug/l	96
70) Styrene	10.80	104	150506	21.675	ug/l	100
71) Bromoform	10.78	173	33342	23.727	ug/l	96
73) Isopropylbenzene	11.13	105	305972	18.805	ug/l	100
74) N-amyl acetate	11.38	43	76654	18.710	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	54125	17.821	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	37434	17.348	ug/l	94
77) Bromobenzene	11.51	156	76647	21.411	ug/l	91
78) n-propylbenzene	11.60	91	352333	18.027	ug/l	93
79) 2-Chlorotoluene	11.73	91	193058	17.347	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	249477	18.586	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	16276m	18.044	ug/l	
82) 4-Chlorotoluene	11.90	91	204962	17.728	ug/l	94
83) tert-Butylbenzene	12.14	119	272012	19.710	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	235528	17.874	ug/l	97
85) sec-Butylbenzene	12.32	105	352852	19.131	ug/l	99
86) p-Isopropyltoluene	12.47	119	302155	20.029	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	149624	21.505	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	139098	21.015	ug/l	99
89) n-Butylbenzene	12.85	91	282604	18.497	ug/l	97
90) Hexachloroethane	12.92	117	67884	17.742	ug/l	83
91) 1,2-Dichlorobenzene	12.95	146	145459	22.446	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8193	15.559	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	104155	22.889	ug/l	95
94) Hexachlorobutadiene	14.20	225	61679	21.971	ug/l	95
95) Naphthalene	14.47	128	172171	20.014	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	91765	22.451	ug/l	99

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

