

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062278.D
 Acq On : 24 Apr 2019 13:48
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:20:58 AM

Quant Time: Apr 25 08:43:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	514371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	698938	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	536400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	328325	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	23448	5.62	ug/l	0.00
Spiked Amount			Recovery	=	11.24%	
35) Dibromofluoromethane	4.32	113	29541	5.55	ug/l	0.00
Spiked Amount			Recovery	=	11.10%	
50) Toluene-d8	7.72	98	75545	5.95	ug/l	0.00
Spiked Amount			Recovery	=	11.90%	
62) 4-Bromofluorobenzene	11.50	95	33396	6.24	ug/l	0.00
Spiked Amount			Recovery	=	12.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	32730	5.143	ug/l	91
3) Chloromethane	1.14	50	30663	5.754	ug/l	90
4) Vinyl Chloride	1.19	62	26061	5.213	ug/l #	86
5) Bromomethane	1.40	94	19895	5.896	ug/l	84
6) Chloroethane	1.44	64	11722	5.351	ug/l #	86
7) Trichlorofluoromethane	1.56	101	39268	4.979	ug/l	97
8) Diethyl Ether	1.72	74	8847	6.242	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.90	101	24339	4.924	ug/l	92
10) Methyl Iodide	1.97	142	45765	5.319	ug/l	97
11) Tert butyl alcohol	2.71	59	6686	26.922	ug/l #	69
12) 1,1-Dichloroethene	1.86	96	24306	5.358	ug/l	96
13) Acrolein	2.11	56	4411	26.819	ug/l #	72
14) Allyl chloride	2.21	41	26455m	3.868	ug/l	
15) Acrylonitrile	3.11	53	18624	25.930	ug/l	92
16) Acetone	2.36	43	26128	28.038	ug/l	97
17) Carbon Disulfide	1.92	76	66401	5.645	ug/l	95
18) Methyl Acetate	2.47	43	12545m	5.429	ug/l	
19) Methyl tert-butyl Ether	2.56	73	42267	5.057	ug/l	92
20) Methylene Chloride	2.33	84	43288	7.342	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	24253	5.567	ug/l	96
22) Diisopropyl ether	2.95	45	68433	5.257	ug/l	95
23) Vinyl Acetate	3.35	43	142368	25.245	ug/l	98
24) 1,1-Dichloroethane	3.03	63	37422	5.125	ug/l	100
25) 2-Butanone	4.53	43	41070	27.807	ug/l	94
26) 2,2-Dichloropropane	3.79	77	20001	5.244	ug/l	95
27) cis-1,2-Dichloroethene	3.67	96	28086	5.039	ug/l	95
28) Bromochloromethane	3.91	49	17103	5.356	ug/l #	100
29) Tetrahydrofuran	4.29	42	17854	27.735	ug/l	95
30) Chloroform	4.07	83	44346	4.869	ug/l	93
31) Cyclohexane	3.88	56	36844	5.216	ug/l	94
32) 1,1,1-Trichloroethane	4.31	97	39409	5.810	ug/l	89
36) 1,1-Dichloropropene	4.49	75	35258	5.311	ug/l	97
37) Ethyl Acetate	4.32	43	15137	5.554	ug/l #	90
38) Carbon Tetrachloride	4.20	117	39248	6.051	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	41862	5.351	ug/l	96
40) Benzene	4.84	78	85065	5.313	ug/l	97
41) Methacrylonitrile	4.94	41	7972	5.236	ug/l #	50
42) 1,2-Dichloroethane	5.15	62	24917	5.067	ug/l #	76
43) Isopropyl Acetate	7.13	43	19078	6.636	ug/l #	99
44) Trichloroethene	5.70	130	28819	5.322	ug/l	97
45) 1,2-Dichloropropane	6.42	63	19691	5.583	ug/l	90
46) Dibromomethane	6.27	93	13361	5.230	ug/l	95
47) Bromodichloromethane	6.57	83	33399	5.553	ug/l	92
48) Methyl methacrylate	6.89	41	11554	5.857	ug/l	96
49) 1,4-Dioxane	6.88	88	2737	121.232	ug/l #	81
51) 4-Methyl-2-Pentanone	8.42	43	65029	29.563	ug/l	98
52) Toluene	7.79	92	52013	5.664	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	24889	5.682	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	30877	5.428	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	12895	5.137	ug/l	94
56) Ethyl methacrylate	8.76	69	17893	6.377	ug/l	94
57) 1,3-Dichloropropane	9.01	76	22456	5.689	ug/l #	85
58) 2-Chloroethyl Vinyl ether	7.46	63	21196	24.452	ug/l	98
59) 2-Hexanone	9.63	43	50244	23.423	ug/l	98
60) Dibromochloromethane	8.87	129	21633	5.349	ug/l	100
61) 1,2-Dibromoethane	9.15	107	16494	5.639	ug/l	98
64) Tetrachloroethene	8.32	164	23935	5.191	ug/l	92
65) Chlorobenzene	9.95	112	52683	5.296	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	24506	5.110	ug/l	96
67) Ethyl Benzene	10.04	91	95549	5.414	ug/l	95
68) m/p-Xylenes	10.27	106	69251	10.628	ug/l	92
69) o-Xylene	10.82	106	37154	5.080	ug/l	94
70) Styrene	10.90	104	57441	5.428	ug/l	98
71) Bromoform	10.88	173	12686	4.874	ug/l #	97
73) Isopropylbenzene	11.22	105	113926	4.860	ug/l	99
74) N-amyl acetate	11.45	43	32582	6.122	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	16618	4.741	ug/l	84
76) 1,2,3-Trichloropropane	11.88	75	13509	5.341	ug/l #	100
77) Bromobenzene	11.59	156	28815	5.097	ug/l	96
78) n-propylbenzene	11.68	91	128157	5.254	ug/l	96
79) 2-Chlorotoluene	11.80	91	74920	5.168	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	100145	5.106	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	6440m	4.384	ug/l	
82) 4-Chlorotoluene	11.98	91	76702	5.339	ug/l	99
83) tert-Butylbenzene	12.20	119	102781	4.998	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	101229	5.249	ug/l	96
85) sec-Butylbenzene	12.37	105	130282	5.104	ug/l	98
86) p-Isopropyltoluene	12.53	119	119781	5.271	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	57970	5.635	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	51052	5.293	ug/l	96
89) n-Butylbenzene	12.90	91	114218	5.390	ug/l	94
90) Hexachloroethane	12.98	117	26066	4.624	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	51950	5.253	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	3776	5.299	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	46391	5.295	ug/l	99
94) Hexachlorobutadiene	14.23	225	31179	5.014	ug/l	98
95) Naphthalene	14.50	128	67585	5.195	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	39775	4.932	ug/l	97

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

