

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062583.D
 Acq On : 14 May 2019 14:57
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: May 15 04:44:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 04:31:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	612273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1033797	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	748503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	349973	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	26401	3.98	ug/l	0.00
Spiked Amount			Recovery	=	7.96%	
35) Dibromofluoromethane	4.33	113	44075	5.72	ug/l	0.00
Spiked Amount			Recovery	=	11.44%	
50) Toluene-d8	7.74	98	103555	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	
62) 4-Bromofluorobenzene	11.51	95	37429	4.33	ug/l	0.00
Spiked Amount			Recovery	=	8.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	44119	5.236	ug/l	95
3) Chloromethane	1.15	50	41491	5.653	ug/l	98
4) Vinyl Chloride	1.19	62	40215	5.529	ug/l	93
5) Bromomethane	1.40	94	22779	3.989	ug/l	80
6) Chloroethane	1.44	64	15770	4.199	ug/l #	82
7) Trichlorofluoromethane	1.55	101	52729	4.991	ug/l	97
8) Diethyl Ether	1.72	74	13180	5.892	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.91	101	36490	5.292	ug/l #	94
10) Methyl Iodide	1.98	142	71194	6.084	ug/l	96
11) Tert butyl alcohol	2.70	59	6570	21.119	ug/l #	29
12) 1,1-Dichloroethene	1.87	96	28248	4.525	ug/l	85
13) Acrolein	2.12	56	6016m	20.026	ug/l	
14) Allyl chloride	2.21	41	23887	3.028	ug/l	96
15) Acrylonitrile	3.11	53	20150	21.655	ug/l #	83
16) Acetone	2.37	43	24776	19.347	ug/l	90
17) Carbon Disulfide	1.92	76	94649	4.947	ug/l	97
18) Methyl Acetate	2.47	43	14579	4.699	ug/l	95
19) Methyl tert-butyl Ether	2.55	73	48055	4.256	ug/l	95
20) Methylene Chloride	2.30	84	43293	5.775	ug/l #	91
21) trans-1,2-Dichloroethene	2.44	96	32016	5.700	ug/l	91
22) Diisopropyl ether	2.96	45	67607	3.709	ug/l	94
23) Vinyl Acetate	3.36	43	169947	19.394	ug/l	95
24) 1,1-Dichloroethane	3.03	63	53483	4.855	ug/l	99
25) 2-Butanone	4.56	43	55230	22.986	ug/l #	84
26) 2,2-Dichloropropane	3.80	77	30366	5.191	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	47235	6.349	ug/l	90
28) Bromochloromethane	3.92	49	31843	6.400	ug/l	93
29) Tetrahydrofuran	4.30	42	26032	25.100	ug/l	95
30) Chloroform	4.07	83	64985	4.895	ug/l	98
31) Cyclohexane	3.89	56	65785	6.052	ug/l #	79
32) 1,1,1-Trichloroethane	4.32	97	45579	5.209	ug/l #	77
36) 1,1-Dichloropropene	4.51	75	49490	4.427	ug/l	96
37) Ethyl Acetate	4.33	43	19721	3.813	ug/l #	79
38) Carbon Tetrachloride	4.21	117	39815	4.615	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.66	83	60201	5.326	ug/l #	92
40) Benzene	4.85	78	147928	5.872	ug/l	94
41) Methacrylonitrile	4.96	41	10571	3.627	ug/l #	67
42) 1,2-Dichloroethane	5.16	62	29622	3.362	ug/l	95
43) Isopropyl Acetate	7.14	43	24935	4.467	ug/l #	86
44) Trichloroethene	5.71	130	38403	5.039	ug/l	83
45) 1,2-Dichloropropane	6.44	63	35755	5.964	ug/l	93
46) Dibromomethane	6.28	93	18832	4.716	ug/l	97
47) Bromodichloromethane	6.58	83	38588	3.660	ug/l #	98
48) Methyl methacrylate	6.90	41	12280	2.962	ug/l	98
49) 1,4-Dioxane	6.90	88	4058	150.446	ug/l #	68
51) 4-Methyl-2-Pentanone	8.43	43	86651	20.581	ug/l	95
52) Toluene	7.80	92	71335	4.565	ug/l	93
53) t-1,3-Dichloropropene	8.45	75	31197	3.686	ug/l	93
54) cis-1,3-Dichloropropene	7.48	75	47347	4.508	ug/l #	92
55) 1,1,2-Trichloroethane	8.66	97	20810	4.760	ug/l	93
56) Ethyl methacrylate	8.77	69	23680	4.133	ug/l	90
57) 1,3-Dichloropropane	9.02	76	34860	4.735	ug/l #	83
58) 2-Chloroethyl Vinyl ether	7.48	63	32668	36.050	ug/l	99
59) 2-Hexanone	9.64	43	58183	19.625	ug/l	94
60) Dibromochloromethane	8.88	129	23218	3.729	ug/l	87
61) 1,2-Dibromoethane	9.16	107	19577	4.258	ug/l	98
64) Tetrachloroethene	8.33	164	29317	5.375	ug/l	98
65) Chlorobenzene	9.96	112	70033	4.866	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	26500	4.266	ug/l	89
67) Ethyl Benzene	10.05	91	129497	4.655	ug/l	99
68) m/p-Xylenes	10.28	106	87822	8.810	ug/l	83
69) o-Xylene	10.83	106	42157	4.204	ug/l	79
70) Styrene	10.91	104	67548	4.403	ug/l #	92
71) Bromoform	10.89	173	12260	3.864	ug/l	93
73) Isopropylbenzene	11.23	105	130207	4.609	ug/l	97
74) N-amyl acetate	11.46	43	28523	3.773	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	28004	6.070	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	17949	5.183	ug/l	93
77) Bromobenzene	11.59	156	28203	4.715	ug/l	89
78) n-propylbenzene	11.69	91	162745	4.950	ug/l	94
79) 2-Chlorotoluene	11.81	91	87145	4.641	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	97506	4.142	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	6455m	4.635	ug/l	
82) 4-Chlorotoluene	11.99	91	81072	4.271	ug/l	99
83) tert-Butylbenzene	12.21	119	96608	4.054	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	99472	4.242	ug/l	94
85) sec-Butylbenzene	12.38	105	139298	4.588	ug/l	97
86) p-Isopropyltoluene	12.53	119	111258	4.124	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	58659	5.180	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	53847	4.691	ug/l	90
89) n-Butylbenzene	12.91	91	117554	4.481	ug/l	95
90) Hexachloroethane	12.98	117	29112	4.594	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	52592	4.905	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	2943	3.073	ug/l #	51

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	31629	4.042	ug/l	98
94) Hexachlorobutadiene	14.24	225	22622	4.454	ug/l	91
95) Naphthalene	14.50	128	45905	3.580	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.65	180	28391	4.159	ug/l	97

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

