

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061387.D
 Acq On : 14 Jan 2019 14:12
 Operator : VA/AP
 Sample : VF0114SBSD01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0114SBSD01

Quant Time: Jan 14 21:54:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	202544	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	341121	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	313801	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	157763	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	119637	53.07	ug/l	-0.03
Spiked Amount			Recovery	=	106.14%	
35) Dibromofluoromethane	4.10	113	130304	49.92	ug/l	-0.02
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	7.53	98	349664	45.27	ug/l	-0.04
Spiked Amount			Recovery	=	90.54%	
62) 4-Bromofluorobenzene	11.40	95	163035	48.34	ug/l	-0.02
Spiked Amount			Recovery	=	96.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	73704	19.727	ug/l	93
3) Chloromethane	1.09	50	56193	16.878	ug/l	100
4) Vinyl Chloride	1.13	62	52083	17.515	ug/l	94
5) Bromomethane	1.30	94	31597	14.658	ug/l	99
6) Chloroethane	1.38	64	21351	14.704	ug/l #	84
7) Trichlorofluoromethane	1.47	101	86675	17.194	ug/l	92
8) Diethyl Ether	1.62	74	12397	16.748	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.81	101	47169	17.721	ug/l	95
10) Methyl Iodide	1.84	142	16188	3.882	ug/l	90
11) Tert butyl alcohol	2.56	59	8548	94.701	ug/l	96
12) 1,1-Dichloroethene	1.78	96	36379	17.092	ug/l	91
13) Acrolein	1.99	56	6470	48.866	ug/l	99
14) Allyl chloride	2.09	41	60426	15.532	ug/l #	94
15) Acrylonitrile	2.93	53	24418	76.311	ug/l	87
16) Acetone	2.22	43	53245	101.528	ug/l	98
17) Carbon Disulfide	1.80	76	106812	15.193	ug/l	95
18) Methyl Acetate	2.33	43	19433	18.834	ug/l	97
19) Methyl tert-butyl Ether	2.42	73	72514	17.879	ug/l	97
20) Methylene Chloride	2.17	84	36996m	16.675	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	37719	16.724	ug/l	92
22) Diisopropyl ether	2.79	45	122808	16.317	ug/l	93
23) Vinyl Acetate	3.17	43	279095	126.796	ug/l	97
24) 1,1-Dichloroethane	2.86	63	74920	17.208	ug/l	98
25) 2-Butanone	4.32	43	90526	107.249	ug/l	98
26) 2,2-Dichloropropane	3.59	77	49909	17.154	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	58640	18.622	ug/l	91
28) Bromochloromethane	3.70	49	35304	18.391	ug/l #	98
29) Tetrahydrofuran	4.06	42	36110	102.319	ug/l	92
30) Chloroform	3.84	83	103957	18.809	ug/l	97
31) Cyclohexane	3.67	56	79951m	17.504	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	73831	16.538	ug/l	96
36) 1,1-Dichloropropene	4.26	75	76408	19.181	ug/l	96
37) Ethyl Acetate	4.10	43	33037	22.774	ug/l #	51
38) Carbon Tetrachloride	3.97	117	67765	17.962	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	87604	17.576	ug/l	92
40) Benzene	4.61	78	180466	19.405	ug/l	98
41) Methacrylonitrile	4.72	41	17603	21.730	ug/l #	86
42) 1,2-Dichloroethane	4.92	62	59047	20.393	ug/l	97
43) Isopropyl Acetate	6.95	43	40004	20.888	ug/l #	99
44) Trichloroethene	5.48	130	56160	20.634	ug/l	90
45) 1,2-Dichloropropane	6.22	63	49808	21.061	ug/l	96
46) Dibromomethane	6.06	93	33190	22.857	ug/l	97
47) Bromodichloromethane	6.37	83	77852	21.558	ug/l	100
48) Methyl methacrylate	6.69	41	26543	21.352	ug/l	99
49) 1,4-Dioxane	6.68	88	4111	524.098	ug/l #	76
51) 4-Methyl-2-Pentanone	8.24	43	151609	104.878	ug/l	92
52) Toluene	7.61	92	118232	19.779	ug/l	95
53) t-1,3-Dichloropropene	8.26	75	63616	22.431	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	80297	21.354	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	33210	19.854	ug/l	98
56) Ethyl methacrylate	8.61	69	40162	21.483	ug/l	94
57) 1,3-Dichloropropane	8.83	76	59527	20.108	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.28	63	15979	200.569	ug/l #	81
59) 2-Hexanone	9.47	43	121465	118.605	ug/l	96
60) Dibromochloromethane	8.70	129	46862	21.039	ug/l	94
61) 1,2-Dibromoethane	8.97	107	36813	21.590	ug/l	98
64) Tetrachloroethene	8.14	164	45274	19.816	ug/l	97
65) Chlorobenzene	9.78	112	128120	20.219	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	52556	20.326	ug/l	94
67) Ethyl Benzene	9.88	91	246669	20.189	ug/l	97
68) m/p-Xylenes	10.12	106	177283	41.598	ug/l	90
69) o-Xylene	10.70	106	98730	20.738	ug/l	100
70) Styrene	10.78	104	131527	20.739	ug/l	98
71) Bromoform	10.76	173	23903	22.620	ug/l #	99
73) Isopropylbenzene	11.11	105	277756	20.008	ug/l	99
74) N-amyl acetate	11.36	43	68353	21.660	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	50616	22.996	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	35499	21.989	ug/l	94
77) Bromobenzene	11.49	156	55289	20.019	ug/l	94
78) n-propylbenzene	11.59	91	347423	20.990	ug/l	99
79) 2-Chlorotoluene	11.70	91	198504	21.526	ug/l	94
80) 1,3,5-Trimethylbenzene	11.81	105	222202	20.116	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	14658m	20.777	ug/l	
82) 4-Chlorotoluene	11.88	91	190949	20.378	ug/l	95
83) tert-Butylbenzene	12.12	119	235281	21.379	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	223834	20.410	ug/l	98
85) sec-Butylbenzene	12.30	105	315811	20.154	ug/l	97
86) p-Isopropyltoluene	12.44	119	259820	20.385	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	112879	20.929	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	109141	21.049	ug/l	95
89) n-Butylbenzene	12.83	91	280058	21.385	ug/l	93
90) Hexachloroethane	12.91	117	61093	20.954	ug/l	98
91) 1,2-Dichlorobenzene	12.93	146	108631	21.102	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7661	20.599	ug/l	75

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93) 1,2,4-Trichlorobenzene	14.19	180	73451	20.734	ug/l	97
94) Hexachlorobutadiene	14.18	225	44710	19.604	ug/l	96
95) Naphthalene	14.45	128	134011	20.073	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	63444	19.012	ug/l	95

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

