

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061495.D
 Acq On : 24 Jan 2019 12:47
 Operator : VA/AP
 Sample : VF0124SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:26:32 AM

Quant Time: Jan 25 04:45:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	210576	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	5.64	114	381091	50.00	ug/l	0.05
63) Chlorobenzene-d5	9.81	117	318755	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.57	152	162488	50.00	ug/l	0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	109352	42.06	ug/l	0.05
Spiked Amount	50.000		Recovery	=	84.12%	
35) Dibromofluoromethane	4.15	113	124561	41.42	ug/l	0.05
Spiked Amount	50.000		Recovery	=	82.84%	
50) Toluene-d8	7.59	98	350548	42.55	ug/l	0.05
Spiked Amount	50.000		Recovery	=	85.10%	
62) 4-Bromofluorobenzene	11.44	95	157973	41.04	ug/l	0.04
Spiked Amount	50.000		Recovery	=	82.08%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.97	85	66647	16.108	ug/l	96
3) Chloromethane	1.11	50	56820	18.729	ug/l	99
4) Vinyl Chloride	1.15	62	49717	18.423	ug/l	99
5) Bromomethane	1.33	94	33810	19.212	ug/l	87
6) Chloroethane	1.41	64	21725	18.168	ug/l	99
7) Trichlorofluoromethane	1.50	101	85253	16.250	ug/l	98
8) Diethyl Ether	1.64	74	13644	20.296	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	46453	18.427	ug/l	97
10) Methyl Iodide	1.93	142	73567m	18.824	ug/l	
11) Tert butyl alcohol	2.60	59	9809	89.135	ug/l	98
12) 1,1-Dichloroethene	1.81	96	35520	18.966	ug/l	90
13) Acrolein	2.02	56	6140m	72.435	ug/l	
14) Allyl chloride	2.12	41	51748	22.591	ug/l	91
15) Acrylonitrile	2.98	53	27244	96.650	ug/l	88
16) Acetone	2.27	43	54079	103.688	ug/l	99
17) Carbon Disulfide	1.84	76	101403m	17.364	ug/l	
18) Methyl Acetate	2.37	43	21126	20.425	ug/l #	92
19) Methyl tert-butyl Ether	2.46	73	76583	18.241	ug/l	95
20) Methylene Chloride	2.21	84	34155m	18.173	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	35012	16.991	ug/l	98
22) Diisopropyl ether	2.83	45	125344	18.807	ug/l	99
23) Vinyl Acetate	3.22	43	313886	108.898	ug/l	98
24) 1,1-Dichloroethane	2.90	63	71334	17.053	ug/l	96
25) 2-Butanone	4.38	43	102842	118.574	ug/l	93
26) 2,2-Dichloropropane	3.64	77	42949	16.712	ug/l	98
27) cis-1,2-Dichloroethene	3.51	96	59375	19.520	ug/l	96
28) Bromochloromethane	3.75	49	37393	19.887	ug/l	97
29) Tetrahydrofuran	4.12	42	37599	100.676	ug/l	94
30) Chloroform	3.90	83	109131	19.331	ug/l	96
31) Cyclohexane	3.73	56	81427m	19.487	ug/l	
32) 1,1,1-Trichloroethane	4.14	97	64878	15.674	ug/l	97
36) 1,1-Dichloropropene	4.33	75	85692	19.394	ug/l	99
37) Ethyl Acetate	4.15	43	33971	19.233	ug/l	84
38) Carbon Tetrachloride	4.03	117	59159	15.315	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	85697	17.897	ug/l	93
40) Benzene	4.67	78	196107	19.946	ug/l	99
41) Methacrylonitrile	4.78	41	19245	20.477	ug/l #	87
42) 1,2-Dichloroethane	4.98	62	62148	17.738	ug/l	99
43) Isopropyl Acetate	6.99	43	44141	19.912	ug/l #	90
44) Trichloroethene	5.54	130	58164	19.284	ug/l	95
45) 1,2-Dichloropropane	6.27	63	49059	19.012	ug/l	97
46) Dibromomethane	6.12	93	30899	18.008	ug/l	91
47) Bromodichloromethane	6.43	83	75938	17.887	ug/l	94
48) Methyl methacrylate	6.75	41	30590	20.550	ug/l	96
49) 1,4-Dioxane	6.75	88	4054	344.668	ug/l	90
51) 4-Methyl-2-Pentanone	8.29	43	162417	99.663	ug/l	100
52) Toluene	7.66	92	116291	17.961	ug/l	99
53) t-1,3-Dichloropropene	8.31	75	62809	18.632	ug/l	100
54) cis-1,3-Dichloropropene	7.34	75	83836	19.896	ug/l	98
55) 1,1,2-Trichloroethane	8.53	97	35436	19.273	ug/l	95
56) Ethyl methacrylate	8.66	69	45117	21.091	ug/l	92
57) 1,3-Dichloropropane	8.89	76	60102	17.440	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.34	63	32338	155.813	ug/l	98
59) 2-Hexanone	9.53	43	122249	107.576	ug/l	99
60) Dibromochloromethane	8.76	129	47463	17.657	ug/l	98
61) 1,2-Dibromoethane	9.02	107	36419	17.302	ug/l	88
64) Tetrachloroethene	8.19	164	47068	19.636	ug/l	95
65) Chlorobenzene	9.83	112	130325	20.105	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.97	131	53353	20.661	ug/l	94
67) Ethyl Benzene	9.94	91	236600	19.978	ug/l	98
68) m/p-Xylenes	10.17	106	171813	40.336	ug/l	96
69) o-Xylene	10.75	106	99730	21.602	ug/l	92
70) Styrene	10.82	104	133450	21.118	ug/l	97
71) Bromoform	10.81	173	23421	20.187	ug/l	100
73) Isopropylbenzene	11.15	105	279381	21.140	ug/l	100
74) N-amyl acetate	11.40	43	73616	23.557	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.72	83	49588	21.063	ug/l	97
76) 1,2,3-Trichloropropane	11.82	75	34544	20.420	ug/l	95
77) Bromobenzene	11.53	156	56600	20.280	ug/l	96
78) n-propylbenzene	11.62	91	336226	19.508	ug/l	95
79) 2-Chlorotoluene	11.74	91	191542	20.889	ug/l	97
80) 1,3,5-Trimethylbenzene	11.85	105	229302	21.500	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.89	75	14720m	20.017	ug/l	
82) 4-Chlorotoluene	11.92	91	189504	20.481	ug/l	98
83) tert-Butylbenzene	12.16	119	231738	20.993	ug/l	94
84) 1,2,4-Trimethylbenzene	12.23	105	224407	20.427	ug/l	95
85) sec-Butylbenzene	12.33	105	305726	20.394	ug/l	94
86) p-Isopropyltoluene	12.48	119	265280	21.557	ug/l	97
87) 1,3-Dichlorobenzene	12.50	146	111104	18.924	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	105021	19.913	ug/l	96
89) n-Butylbenzene	12.87	91	267890	21.109	ug/l	97
90) Hexachloroethane	12.94	117	63119	21.759	ug/l	84
91) 1,2-Dichlorobenzene	12.97	146	107084	20.510	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.67	75	8195	19.625	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	73732	20.159	ug/l	97
94) Hexachlorobutadiene	14.21	225	43022	18.956	ug/l	99
95) Naphthalene	14.48	128	132166	19.020	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	65269	19.278	ug/l	99

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

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