

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062144.D
 Acq On : 26 Mar 2019 14:22
 Operator : VA/AP
 Sample : VF0326SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:01:39 PM

Quant Time: Mar 27 09:50:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	236350	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	351138	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.75	117	294455	50.00	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	12.54	152	162540	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	102435	58.27	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	116.54%	
35) Dibromofluoromethane	4.09	113	141082	59.40	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	118.80%	
50) Toluene-d8	7.53	98	407422	57.46	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	114.92%	
62) 4-Bromofluorobenzene	11.40	95	157784	57.64	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	115.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	72680	24.004	ug/l	97
3) Chloromethane	1.09	50	74728	23.587	ug/l	90
4) Vinyl Chloride	1.13	62	71830	24.511	ug/l	98
5) Bromomethane	1.31	94	50496	23.971	ug/l	91
6) Chloroethane	1.39	64	35301	23.929	ug/l	99
7) Trichlorofluoromethane	1.47	101	87035	24.591	ug/l	97
8) Diethyl Ether	1.62	74	18662	23.083	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	54983	22.772	ug/l	91
10) Methyl Iodide	1.90	142	107623m	23.455	ug/l	
11) Tert butyl alcohol	2.56	59	11582	119.738	ug/l	97
12) 1,1-Dichloroethene	1.79	96	53928	23.671	ug/l	91
13) Acrolein	1.99	56	13357	114.834	ug/l	85
14) Allyl chloride	2.09	41	64513	26.523	ug/l	98
15) Acrylonitrile	2.93	53	37437	110.063	ug/l	98
16) Acetone	2.22	43	41377	111.831	ug/l	95
17) Carbon Disulfide	1.80	76	163353	23.513	ug/l	99
18) Methyl Acetate	2.41	43	16549	18.750	ug/l	93
19) Methyl tert-butyl Ether	2.42	73	78545	21.814	ug/l	96
20) Methylene Chloride	2.18	84	64802m	27.697	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	52238	23.831	ug/l	89
22) Diisopropyl ether	2.79	45	144803	22.706	ug/l	97
23) Vinyl Acetate	3.17	43	311754	119.398	ug/l	100
24) 1,1-Dichloroethane	2.86	63	91991	24.054	ug/l	99
25) 2-Butanone	4.31	43	80101	103.702	ug/l	99
26) 2,2-Dichloropropane	3.58	77	38507	24.834	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	62440	21.496	ug/l	88
28) Bromochloromethane	3.69	49	39386	25.207	ug/l	94
29) Tetrahydrofuran	4.05	42	31753	94.549	ug/l	97
30) Chloroform	3.84	83	90817	22.470	ug/l	97
31) Cyclohexane	3.67	56	93773m	23.477	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	60356	24.549	ug/l	98
36) 1,1-Dichloropropene	4.26	75	75977	22.716	ug/l	97
37) Ethyl Acetate	4.10	43	29134	19.932	ug/l	97
38) Carbon Tetrachloride	3.97	117	55616	24.398	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	84350	21.730	ug/l	94
40) Benzene	4.61	78	204849	22.847	ug/l	96
41) Methacrylonitrile	4.73	41	17334	22.413	ug/l	92
42) 1,2-Dichloroethane	4.92	62	50086	23.622	ug/l	100
43) Isopropyl Acetate	6.94	43	39771	22.467	ug/l #	95
44) Trichloroethene	5.48	130	65809	24.007	ug/l	95
45) 1,2-Dichloropropane	6.22	63	47838	22.370	ug/l	95
46) Dibromomethane	6.07	93	27563	21.080	ug/l	97
47) Bromodichloromethane	6.37	83	65152	22.495	ug/l	92
48) Methyl methacrylate	6.69	41	22194	22.020	ug/l	92
49) 1,4-Dioxane	6.69	88	4444	502.495	ug/l	92
51) 4-Methyl-2-Pentanone	8.24	43	142156	119.984	ug/l	97
52) Toluene	7.61	92	116565	22.445	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	55244	24.298	ug/l	92
54) cis-1,3-Dichloropropene	7.28	75	73231	22.511	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	32686	22.158	ug/l	89
56) Ethyl methacrylate	8.60	69	41055	23.337	ug/l	100
57) 1,3-Dichloropropane	8.83	76	53227	21.741	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	29501	110.510	ug/l	96
59) 2-Hexanone	9.47	43	101780	117.211	ug/l	99
60) Dibromochloromethane	8.69	129	47740	23.280	ug/l	93
61) 1,2-Dibromoethane	8.96	107	36759	23.357	ug/l	95
64) Tetrachloroethene	8.13	164	53578	23.552	ug/l	93
65) Chlorobenzene	9.78	112	126987	23.049	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	55086	24.891	ug/l	94
67) Ethyl Benzene	9.88	91	236632	24.697	ug/l	99
68) m/p-Xylenes	10.11	106	174405	48.701	ug/l	98
69) o-Xylene	10.70	106	91685	24.445	ug/l	95
70) Styrene	10.77	104	132629	23.338	ug/l	99
71) Bromoform	10.75	173	25723	22.724	ug/l	96
73) Isopropylbenzene	11.11	105	266301	23.283	ug/l	99
74) N-amyl acetate	11.36	43	59618	21.876	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	43718	22.262	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	29690m	21.483	ug/l	
77) Bromobenzene	11.47	156	61113	21.870	ug/l	82
78) n-propylbenzene	11.58	91	307240	23.134	ug/l	97
79) 2-Chlorotoluene	11.70	91	162834	22.059	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	213687	22.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	10934m	19.416	ug/l	
82) 4-Chlorotoluene	11.88	91	173365	22.905	ug/l	96
83) tert-Butylbenzene	12.12	119	239188	24.288	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	213042	23.100	ug/l	97
85) sec-Butylbenzene	12.29	105	294110	23.085	ug/l	100
86) p-Isopropyltoluene	12.44	119	261243	23.668	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	119122	22.946	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	116398	22.977	ug/l	96
89) n-Butylbenzene	12.83	91	247960	23.547	ug/l	92
90) Hexachloroethane	12.90	117	59071	22.476	ug/l	84
91) 1,2-Dichlorobenzene	12.92	146	111619	22.897	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6489	21.808	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	78687	23.160	ug/l	97
94) Hexachlorobutadiene	14.18	225	50858	22.514	ug/l	96
95) Naphthalene	14.44	128	125553	21.088	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	70930	22.303	ug/l	93

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

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