

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062756.D
 Acq On : 28 May 2019 13:05
 Operator : FY/SY
 Sample : VF0528SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:02:01 AM

Quant Time: May 29 02:02:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	876785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1423887	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1065738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	521040	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	260090	41.98	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	83.96%	
35) Dibromofluoromethane	4.32	113	473390	43.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.90%	
50) Toluene-d8	7.72	98	1132547	43.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.08%	
62) 4-Bromofluorobenzene	11.50	95	429832	43.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	201950	16.925	ug/l	98
3) Chloromethane	1.15	50	172118	15.666	ug/l	96
4) Vinyl Chloride	1.20	62	152130	15.043	ug/l	96
5) Bromomethane	1.41	94	90367	16.334	ug/l	99
6) Chloroethane	1.45	64	55092	14.833	ug/l	97
7) Trichlorofluoromethane	1.57	101	234149	17.244	ug/l	85
8) Diethyl Ether	1.72	74	50364	18.722	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.92	101	148093	17.128	ug/l	97
10) Methyl Iodide	1.99	142	321203	18.911	ug/l	99
11) Tert butyl alcohol	2.72	59	38828	94.922	ug/l #	90
12) 1,1-Dichloroethene	1.89	96	137755	17.490	ug/l	93
13) Acrolein	2.11	56	28134	65.889	ug/l #	82
14) Allyl chloride	2.21	41	120119m	16.850	ug/l	
15) Acrylonitrile	3.10	53	108393	93.939	ug/l #	94
16) Acetone	2.36	43	120691	75.085	ug/l	97
17) Carbon Disulfide	1.94	76	375342	16.078	ug/l	99
18) Methyl Acetate	2.47	43	46686	18.483	ug/l	93
19) Methyl tert-butyl Ether	2.56	73	268718	19.085	ug/l	100
20) Methylene Chloride	2.35	84	139559m	17.322	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	140486	18.248	ug/l	98
22) Diisopropyl ether	2.95	45	327847	18.647	ug/l	98
23) Vinyl Acetate	3.36	43	1135371	95.729	ug/l	97
24) 1,1-Dichloroethane	3.03	63	241806	18.748	ug/l	99
25) 2-Butanone	4.54	43	326584	95.098	ug/l	90
26) 2,2-Dichloropropane	3.80	77	151735	20.561	ug/l	86
27) cis-1,2-Dichloroethene	3.66	96	257757	20.355	ug/l	95
28) Bromochloromethane	3.93	49	111353m	15.393	ug/l	
29) Tetrahydrofuran	4.29	42	131272	94.461	ug/l	96
30) Chloroform	4.07	83	368480	20.577	ug/l	99
31) Cyclohexane	3.90	56	324587m	18.743	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	240606	20.231	ug/l	98
36) 1,1-Dichloropropene	4.49	75	280630	19.234	ug/l	98
37) Ethyl Acetate	4.32	43	113264	19.013	ug/l #	76
38) Carbon Tetrachloride	4.21	117	207413	18.902	ug/l	97

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39) Methylcyclohexane	5.65	83	364113	20.740	ug/l	98
40) Benzene	4.84	78	823660	20.722	ug/l	99
41) Methacrylonitrile	4.95	41	59057	18.909	ug/l	97
42) 1,2-Dichloroethane	5.15	62	158349	19.977	ug/l	99
43) Isopropyl Acetate	7.13	43	150411	19.489	ug/l #	87
44) Trichloroethene	5.70	130	244507	21.887	ug/l	92
45) 1,2-Dichloropropane	6.42	63	206826	20.613	ug/l	98
46) Dibromomethane	6.28	93	123050	21.220	ug/l	95
47) Bromodichloromethane	6.57	83	251849	20.920	ug/l	95
48) Methyl methacrylate	6.90	41	76005	18.841	ug/l	96
49) 1,4-Dioxane	6.89	88	21806	422.045	ug/l	96
51) 4-Methyl-2-Pentanone	8.41	43	542450	102.825	ug/l	99
52) Toluene	7.79	92	449561	21.566	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	208148	21.134	ug/l	94
54) cis-1,3-Dichloropropene	7.48	75	299744	21.741	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	141846	22.982	ug/l	96
56) Ethyl methacrylate	8.77	69	147907	20.114	ug/l	97
57) 1,3-Dichloropropane	9.01	76	229876	21.866	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.47	63	248903	103.990	ug/l	98
59) 2-Hexanone	9.64	43	394084	104.437	ug/l	99
60) Dibromochloromethane	8.88	129	180892	22.487	ug/l	98
61) 1,2-Dibromoethane	9.14	107	144064	21.975	ug/l	96
64) Tetrachloroethene	8.33	164	179927	21.311	ug/l	97
65) Chlorobenzene	9.94	112	457581	21.860	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	187905	22.361	ug/l	95
67) Ethyl Benzene	10.04	91	823361	22.642	ug/l	96
68) m/p-Xylenes	10.27	106	604777	44.251	ug/l	86
69) o-Xylene	10.83	106	315516	22.413	ug/l	100
70) Styrene	10.90	104	448345	20.954	ug/l	98
71) Bromoform	10.89	173	95400	22.668	ug/l #	98
73) Isopropylbenzene	11.22	105	820831	21.980	ug/l	94
74) N-amyl acetate	11.46	43	234036	21.562	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	167774	21.984	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	112070	22.349	ug/l	85
77) Bromobenzene	11.59	156	196890	21.211	ug/l	97
78) n-propylbenzene	11.68	91	988575	22.368	ug/l	94
79) 2-Chlorotoluene	11.81	91	546356	21.936	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	657639	21.962	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	43325m	19.437	ug/l	
82) 4-Chlorotoluene	11.98	91	538378	21.920	ug/l	100
83) tert-Butylbenzene	12.20	119	680154	22.388	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	637809	22.007	ug/l	99
85) sec-Butylbenzene	12.38	105	870583	21.353	ug/l	98
86) p-Isopropyltoluene	12.53	119	759877	22.116	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	362876	21.608	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	340816	21.626	ug/l	98
89) n-Butylbenzene	12.90	91	769946	22.728	ug/l	91
90) Hexachloroethane	12.98	117	177886	21.582	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	326357	21.801	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	20480	22.495	ug/l	92

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93) 1,2,4-Trichlorobenzene	14.24	180	236384	22.060	ug/l	96
94) Hexachlorobutadiene	14.23	225	161354	21.577	ug/l	97
95) Naphthalene	14.50	128	393489	20.213	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	215078	21.190	ug/l	97

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

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