

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060804.D
 Acq On : 20 Nov 2018 14:51
 Operator : VA/AP
 Sample : VF1120SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBS01

Manual Integrations
 APPROVED

apatel
 11/21/2018 2:01:41 PM

Quant Time: Nov 20 17:09:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	191638	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	321484	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.79	117	294925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	159487	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	110064	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
35) Dibromofluoromethane	4.11	113	130826	54.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	108.28%	
50) Toluene-d8	7.57	98	326662	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	11.41	95	161810	57.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	72914	21.26	ug/l	97
3) Chloromethane	1.11	50	52606	24.73	ug/l	89
4) Vinyl Chloride	1.15	62	47570	25.00	ug/l	99
5) Bromomethane	1.32	94	26452	21.89	ug/l	94
6) Chloroethane	1.38	64	17959	24.12	ug/l	100
7) Trichlorofluoromethane	1.48	101	86581	20.58	ug/l	91
8) Diethyl Ether	1.63	74	13572	25.18	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45720	23.06	ug/l	99
10) Methyl Iodide	1.90	142	74400m	23.39	ug/l	
11) Tert butyl alcohol	2.58	59	12184	122.48	ug/l #	93
12) 1,1-Dichloroethene	1.79	96	39638	25.35	ug/l	90
13) Acrolein	2.00	56	8964	98.55	ug/l	91
14) Allyl chloride	2.10	41	66879	24.42	ug/l	90
15) Acrylonitrile	2.94	53	27163	128.14	ug/l	88
16) Acetone	2.24	43	57381	122.82	ug/l	93
17) Carbon Disulfide	1.85	76	111670	23.63	ug/l	98
18) Methyl Acetate	2.35	43	18348	23.92	ug/l #	92
19) Methyl tert-butyl Ether	2.44	73	88624	23.63	ug/l	99
20) Methylene Chloride	2.18	84	41754m	25.49	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	40204	24.61	ug/l	96
22) Diisopropyl ether	2.80	45	125190	23.67	ug/l	95
23) Vinyl Acetate	3.20	43	318017	127.71	ug/l	98
24) 1,1-Dichloroethane	2.87	63	77921	24.34	ug/l	98
25) 2-Butanone	4.34	43	90210	117.39	ug/l	95
26) 2,2-Dichloropropane	3.60	77	52899	21.00	ug/l	100
27) cis-1,2-Dichloroethene	3.48	96	65279	23.49	ug/l	98
28) Bromochloromethane	3.72	49	37644	22.63	ug/l	95
29) Tetrahydrofuran	4.08	42	37880	119.50	ug/l	96
30) Chloroform	3.87	83	114893	22.37	ug/l	98
31) Cyclohexane	3.70	56	86328	22.22	ug/l	84
32) 1,1,1-Trichloroethane	4.10	97	84280	20.84	ug/l	93
36) 1,1-Dichloropropene	4.28	75	84465	22.65	ug/l	96
37) Ethyl Acetate	4.11	43	34510	24.90	ug/l	80
38) Carbon Tetrachloride	4.00	117	72339	20.00	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	101423	23.45	ug/l	97
40) Benzene	4.64	78	192998	23.22	ug/l	99
41) Methacrylonitrile	4.76	41	19279	23.82	ug/l	98
42) 1,2-Dichloroethane	4.95	62	63990	22.28	ug/l	99
43) Isopropyl Acetate	6.97	43	42533	23.14	ug/l #	95
44) Trichloroethene	5.51	130	60203	22.96	ug/l	93
45) 1,2-Dichloropropane	6.25	63	51452	23.79	ug/l	95
46) Dibromomethane	6.10	93	32006	22.42	ug/l	97
47) Bromodichloromethane	6.39	83	81239	22.28	ug/l	96
48) Methyl methacrylate	6.72	41	28382	23.33	ug/l	97
49) 1,4-Dioxane	6.72	88	5139	451.75	ug/l	93
51) 4-Methyl-2-Pentanone	8.27	43	157380	118.40	ug/l	97
52) Toluene	7.64	92	120532	21.64	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	66204	22.67	ug/l	98
54) cis-1,3-Dichloropropene	7.32	75	85283	22.49	ug/l	93
55) 1,1,2-Trichloroethane	8.49	97	36719	23.07	ug/l	89
56) Ethyl methacrylate	8.62	69	40544	22.43	ug/l	97
57) 1,3-Dichloropropane	8.86	76	64022	23.21	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.64	63	18408	111.50	ug/l	100
59) 2-Hexanone	9.50	43	114352	122.41	ug/l	98
60) Dibromochloromethane	8.72	129	48360	21.32	ug/l	100
61) 1,2-Dibromoethane	9.00	107	38946	23.27	ug/l	97
64) Tetrachloroethene	8.16	164	51279	21.96	ug/l	95
65) Chlorobenzene	9.81	112	132124	22.20	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	58563	22.56	ug/l	100
67) Ethyl Benzene	9.90	91	256011	22.82	ug/l	98
68) m/p-Xylenes	10.14	106	178047	44.41	ug/l	92
69) o-Xylene	10.72	106	101045	22.42	ug/l	98
70) Styrene	10.79	104	137356	22.45	ug/l	98
71) Bromoform	10.78	173	27054	23.18	ug/l	100
73) Isopropylbenzene	11.13	105	286844	22.34	ug/l	97
74) N-amyl acetate	11.37	43	73340	25.10	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	51565	24.30	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	35817	22.72	ug/l	100
77) Bromobenzene	11.50	156	61263	22.93	ug/l	97
78) n-propylbenzene	11.60	91	344798	23.03	ug/l	98
79) 2-Chlorotoluene	11.73	91	198154	22.77	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	238681	23.42	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	18343m	23.69	ug/l	
82) 4-Chlorotoluene	11.91	91	195761	21.96	ug/l	100
83) tert-Butylbenzene	12.13	119	245679	22.70	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	226805	21.52	ug/l	97
85) sec-Butylbenzene	12.31	105	332353	22.64	ug/l	97
86) p-Isopropyltoluene	12.47	119	276786	22.58	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	123003	23.13	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	118529	23.19	ug/l	95
89) n-Butylbenzene	12.85	91	291164	23.27	ug/l	96
90) Hexachloroethane	12.92	117	65953	21.99	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	114802	22.93	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	9264	23.22	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	85446	23.74	ug/l	95
94) Hexachlorobutadiene	14.20	225	51834	22.04	ug/l	96
95) Naphthalene	14.46	128	149701	22.80	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	80243	24.13	ug/l	94

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

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