

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112818\
 Data File : VF060853.D
 Acq On : 28 Nov 2018 12:51
 Operator : VA/AP
 Sample : VF1128SBDS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Manual Integrations
 APPROVED

apatel
 11/29/2018 2:54:42 PM

Quant Time: Nov 29 03:50:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	210429	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	347405	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	329953	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	171288	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	140529	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	4.14	113	152356	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
50) Toluene-d8	7.58	98	445870	54.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.84%	
62) 4-Bromofluorobenzene	11.43	95	202494	54.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.76%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.97	85	69727	22.16	ug/l	98
3) Chloromethane	1.11	50	43368	21.18	ug/l	# 86
4) Vinyl Chloride	1.15	62	40650	21.29	ug/l	98
5) Bromomethane	1.33	94	31247	23.20	ug/l	89
6) Chloroethane	1.40	64	18466	22.37	ug/l	94
7) Trichlorofluoromethane	1.50	101	85430m	20.85	ug/l	
8) Diethyl Ether	1.64	74	13358	22.67	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.85	101	42667	20.60	ug/l	92
10) Methyl Iodide	1.93	142	54413	17.28	ug/l	99
11) Tert butyl alcohol	2.60	59	11468	112.85	ug/l	98
12) 1,1-Dichloroethene	1.81	96	37041	22.23	ug/l	97
13) Acrolein	2.01	56	10280	106.77	ug/l	95
14) Allyl chloride	2.11	41	45456	21.89	ug/l	95
15) Acrylonitrile	2.97	53	26646	116.96	ug/l	87
16) Acetone	2.25	43	49810	108.96	ug/l	95
17) Carbon Disulfide	1.85	76	99980m	22.38	ug/l	
18) Methyl Acetate	2.36	43	19412	24.47	ug/l	96
19) Methyl tert-butyl Ether	2.45	73	82313	21.93	ug/l	95
20) Methylene Chloride	2.19	84	35240m	21.01	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	37618	23.42	ug/l	96
22) Diisopropyl ether	2.82	45	121665	21.52	ug/l	99
23) Vinyl Acetate	3.21	43	299927	116.07	ug/l	99
24) 1,1-Dichloroethane	2.89	63	73674	21.91	ug/l	98
25) 2-Butanone	4.36	43	92624	117.15	ug/l	95
26) 2,2-Dichloropropane	3.62	77	48375	22.19	ug/l	95
27) cis-1,2-Dichloroethene	3.49	96	61413	23.48	ug/l	95
28) Bromochloromethane	3.74	49	35915	22.25	ug/l	100
29) Tetrahydrofuran	4.11	42	38005	113.40	ug/l	97
30) Chloroform	3.89	83	112171	21.67	ug/l	98
31) Cyclohexane	3.71	56	81133m	23.24	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	68846	19.18	ug/l	98
36) 1,1-Dichloropropene	4.30	75	81071	21.04	ug/l	97
37) Ethyl Acetate	4.12	43	34725	22.18	ug/l	# 70
38) Carbon Tetrachloride	4.02	117	66938	19.67	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	84316	20.88	ug/l	96
40) Benzene	4.66	78	188634	22.16	ug/l	98
41) Methacrylonitrile	4.78	41	19780	22.24	ug/l	93
42) 1,2-Dichloroethane	4.97	62	63337	20.38	ug/l	95
43) Isopropyl Acetate	6.99	43	41314	19.74	ug/l #	85
44) Trichloroethene	5.53	130	62355	22.40	ug/l	98
45) 1,2-Dichloropropane	6.26	63	50095	22.66	ug/l	98
46) Dibromomethane	6.12	93	32387	21.59	ug/l	98
47) Bromodichloromethane	6.41	83	84999	21.34	ug/l	98
48) Methyl methacrylate	6.74	41	29819	21.04	ug/l	99
49) 1,4-Dioxane	6.74	88	4929	475.15	ug/l #	85
51) 4-Methyl-2-Pentanone	8.29	43	160355	111.05	ug/l	98
52) Toluene	7.65	92	123601	20.67	ug/l	93
53) t-1,3-Dichloropropene	8.31	75	72079	22.25	ug/l	100
54) cis-1,3-Dichloropropene	7.33	75	85388	21.29	ug/l	96
55) 1,1,2-Trichloroethane	8.51	97	37549	21.55	ug/l	96
56) Ethyl methacrylate	8.64	69	41213	21.29	ug/l	97
57) 1,3-Dichloropropane	8.88	76	67456	22.13	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.32	63	17964	90.74	ug/l #	89
59) 2-Hexanone	9.52	43	113125	111.67	ug/l	100
60) Dibromochloromethane	8.74	129	49326	19.00	ug/l	99
61) 1,2-Dibromoethane	9.02	107	38510	20.46	ug/l	95
64) Tetrachloroethene	8.18	164	51595	20.47	ug/l	98
65) Chlorobenzene	9.83	112	137417	21.41	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.95	131	58278	21.12	ug/l	95
67) Ethyl Benzene	9.93	91	260875	21.83	ug/l	98
68) m/p-Xylenes	10.16	106	190003	44.21	ug/l	93
69) o-Xylene	10.73	106	102146	21.55	ug/l	88
70) Styrene	10.81	104	146410	22.29	ug/l	98
71) Bromoform	10.79	173	27697	20.78	ug/l	97
73) Isopropylbenzene	11.15	105	311645	23.02	ug/l	99
74) N-amyl acetate	11.39	43	74444	23.82	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	51657	23.19	ug/l	97
76) 1,2,3-Trichloropropane	11.82	75	36446	22.51	ug/l	98
77) Bromobenzene	11.51	156	62180	20.95	ug/l	82
78) n-propylbenzene	11.61	91	348041	21.96	ug/l	100
79) 2-Chlorotoluene	11.74	91	207349	22.81	ug/l	99
80) 1,3,5-Trimethylbenzene	11.84	105	250583	22.80	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.89	75	16773m	21.14	ug/l	
82) 4-Chlorotoluene	11.92	91	205423	21.48	ug/l	95
83) tert-Butylbenzene	12.14	119	256397	22.91	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	246139	22.44	ug/l	97
85) sec-Butylbenzene	12.32	105	342484	22.35	ug/l	98
86) p-Isopropyltoluene	12.48	119	292917	22.80	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	127334	22.56	ug/l	97
88) 1,4-Dichlorobenzene	12.59	146	117416	21.34	ug/l	98
89) n-Butylbenzene	12.86	91	294827	22.70	ug/l	99
90) Hexachloroethane	12.93	117	69120	22.34	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	119578	22.37	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8836	20.52	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	82207	22.01	ug/l	95
94) Hexachlorobutadiene	14.21	225	50085	20.12	ug/l	99
95) Naphthalene	14.47	128	159587	19.91	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	73662	21.24	ug/l	99

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

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