

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060147.D
 Acq On : 28 Aug 2018 14:00
 Operator : VA/AP
 Sample : VF0828SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBSD01

Manual Integrations
 APPROVED

apatel
 8/29/2018 11:03:34 AM

Quant Time: Aug 28 15:09:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	153305	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	206773	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	229783	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	147125	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	93055	44.35	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.70%	
35) Dibromofluoromethane	4.29	113	90978	56.03	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.06%	
50) Toluene-d8	7.71	98	229584	49.79	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.50	95	128213	52.56	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.96	85	49825	24.69	ug/l	96
3) Chloromethane	1.08	50	30383	21.05	ug/l	96
4) Vinyl Chloride	1.12	62	23487	18.74	ug/l	92
5) Bromomethane	1.31	94	20525	21.55	ug/l	98
6) Chloroethane	1.39	64	12748	25.81	ug/l	96
7) Trichlorofluoromethane	1.48	101	74673	29.63	ug/l	94
8) Diethyl Ether	1.71	74	6006	13.33	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.86	101	27341	20.67	ug/l #	86
10) Methyl Iodide	1.93	142	25300	14.47	ug/l #	86
11) Tert butyl alcohol	2.67	59	8976	80.42	ug/l #	79
12) 1,1-Dichloroethene	1.82	96	19474	19.98	ug/l #	70
13) Acrolein	2.18	56	457	32.32	ug/l	85
14) Allyl chloride	2.19	41	34512	19.94	ug/l	89
15) Acrylonitrile	3.07	53	17413	79.05	ug/l	94
16) Acetone	2.34	43	46772	84.82	ug/l #	88
17) Carbon Disulfide	1.84	76	63690	20.87	ug/l	98
18) Methyl Acetate	2.45	43	16628	14.76	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	59065	18.92	ug/l	99
20) Methylene Chloride	2.28	84	26953	21.94	ug/l	97
21) trans-1,2-Dichloroethene	2.42	96	23883	21.90	ug/l	97
22) Diisopropyl ether	2.92	45	74398	19.20	ug/l	93
23) Vinyl Acetate	3.32	43	152657	74.35	ug/l	98
24) 1,1-Dichloroethane	3.00	63	61540	25.70	ug/l	97
25) 2-Butanone	4.49	43	53081	74.11	ug/l #	92
26) 2,2-Dichloropropane	3.76	77	60566	24.45	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	30479	19.72	ug/l	91
28) Bromochloromethane	3.88	49	19635	19.42	ug/l	88
29) Tetrahydrofuran	4.24	42	18160	67.15	ug/l	97
30) Chloroform	4.03	83	71765	21.35	ug/l	90
31) Cyclohexane	3.85	56	35700	19.57	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	73910	25.68	ug/l	97
36) 1,1-Dichloropropene	4.46	75	44800	23.06	ug/l	98
37) Ethyl Acetate	4.28	43	17300	14.89	ug/l #	44
38) Carbon Tetrachloride	4.16	117	61176	27.19	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	38904	21.35	ug/l	89
40) Benzene	4.80	78	89702	21.13	ug/l	99
41) Methacrylonitrile	4.91	41	9799	16.67	ug/l #	92
42) 1,2-Dichloroethane	5.12	62	50764	22.30	ug/l	95
43) Isopropyl Acetate	7.11	43	22085	15.10	ug/l #	97
44) Trichloroethene	5.67	130	31163	22.21	ug/l	94
45) 1,2-Dichloropropane	6.40	63	24504	20.41	ug/l	99
46) Dibromomethane	6.25	93	17997	19.16	ug/l	98
47) Bromodichloromethane	6.55	83	52054	22.94	ug/l #	95
48) Methyl methacrylate	6.86	41	13971	14.43	ug/l	94
49) 1,4-Dioxane	6.86	88	2451	263.80	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	109212	86.47	ug/l	98
52) Toluene	7.78	92	73302	24.32	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	42667	20.73	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	46198	20.11	ug/l	92
55) 1,1,2-Trichloroethane	8.64	97	21877	19.10	ug/l	96
56) Ethyl methacrylate	8.75	69	23182	16.72	ug/l	92
57) 1,3-Dichloropropane	8.99	76	37099	18.43	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	14045	127.63	ug/l	100
59) 2-Hexanone	9.62	43	95243	93.17	ug/l	98
60) Dibromochloromethane	8.85	129	34335	20.31	ug/l	91
61) 1,2-Dibromoethane	9.13	107	22259	16.55	ug/l	98
64) Tetrachloroethene	8.30	164	35030	22.63	ug/l	98
65) Chlorobenzene	9.94	112	100619	23.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	33557	20.39	ug/l	94
67) Ethyl Benzene	10.04	91	179221	23.94	ug/l	98
68) m/p-Xylenes	10.26	106	123023	45.03	ug/l	85
69) o-Xylene	10.82	106	66089	22.53	ug/l	89
70) Styrene	10.90	104	103355	22.97	ug/l	99
71) Bromoform	10.88	173	20307	17.69	ug/l	96
73) Isopropylbenzene	11.23	105	212456	23.99	ug/l	100
74) N-amyl acetate	11.46	43	43730	15.89	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	31496	16.28	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	25236	16.83	ug/l	85
77) Bromobenzene	11.59	156	49806	20.68	ug/l	96
78) n-propylbenzene	11.68	91	264103	24.16	ug/l	95
79) 2-Chlorotoluene	11.81	91	147380	22.93	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	190249	24.66	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.96	75	12014m	17.51	ug/l	
82) 4-Chlorotoluene	11.99	91	161994	23.21	ug/l	96
83) tert-Butylbenzene	12.21	119	173696	23.08	ug/l	88
84) 1,2,4-Trimethylbenzene	12.28	105	186790	22.77	ug/l	95
85) sec-Butylbenzene	12.39	105	241875	23.09	ug/l	99
86) p-Isopropyltoluene	12.54	119	205709	23.67	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	97951	22.00	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	96373	21.78	ug/l	97
89) n-Butylbenzene	12.92	91	194524	23.04	ug/l	95
90) Hexachloroethane	12.99	117	44376	22.72	ug/l	80
91) 1,2-Dichlorobenzene	13.02	146	90528	21.14	ug/l	96
93) 1,2,4-Trichlorobenzene	14.26	180	61237	19.42	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.25	225	44428	22.63	ug/l	99
95) Naphthalene	14.52	128	67997	14.14	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	54355	18.06	ug/l	97

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

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