

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080618\
 Data File : VF059883.D
 Acq On : 6 Aug 2018 18:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/7/2018 10:46:42 AM

Quant Time: Aug 07 03:53:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	161646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	191332	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	184883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	112053	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	80963	27.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.56%	
35) Dibromofluoromethane	4.30	113	81702	42.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.84%	
50) Toluene-d8	7.71	98	214437	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
62) 4-Bromofluorobenzene	11.51	95	100031	43.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	148838	53.89	ug/l	91
3) Chloromethane	1.08	50	64857	50.77	ug/l	99
4) Vinyl Chloride	1.15	62	74967	57.28	ug/l	92
5) Bromomethane	1.34	94	47169	38.18	ug/l	95
6) Chloroethane	1.43	64	37686	45.84	ug/l	96
7) Trichlorofluoromethane	1.49	101	214937m	60.00	ug/l	
8) Diethyl Ether	1.70	74	15185	26.71	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	93050	47.07	ug/l	95
10) Methyl Iodide	1.93	142	135152	44.50	ug/l	99
11) Tert butyl alcohol	2.67	59	13058	111.09	ug/l #	84
12) 1,1-Dichloroethene	1.83	96	69459	48.10	ug/l	90
13) Acrolein	2.09	56	8834	125.40	ug/l #	80
14) Allyl chloride	2.19	41	106951	44.43	ug/l	96
15) Acrylonitrile	3.07	53	21570	100.14	ug/l	95
16) Acetone	2.33	43	73887	137.34	ug/l	99
17) Carbon Disulfide	1.85	76	210565	54.63	ug/l	95
18) Methyl Acetate	2.45	43	17605	19.40	ug/l #	88
19) Methyl tert-butyl Ether	2.53	73	112640	27.55	ug/l	96
20) Methylene Chloride	2.29	84	58463	42.84	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	65616	45.75	ug/l	96
22) Diisopropyl ether	2.93	45	156853	33.87	ug/l #	97
23) Vinyl Acetate	3.33	43	320397	142.91	ug/l #	94
24) 1,1-Dichloroethane	3.00	63	139977	41.50	ug/l	99
25) 2-Butanone	4.51	43	85886	146.82	ug/l	96
26) 1,2-Dichloropropane	3.76	77	143559	73.12	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	66094	40.98	ug/l	97
28) Bromochloromethane	3.89	49	35308	29.65	ug/l	93
29) Tetrahydrofuran	4.26	42	23937	111.15	ug/l	92
30) Chloroform	4.03	83	177140	38.82	ug/l	99
31) Cyclohexane	3.86	56	89486	53.61	ug/l	89
32) 1,1,1-Trichloroethane	4.28	97	195454	53.55	ug/l	99
36) 1,1-Dichloropropene	4.45	75	137542	62.15	ug/l	98
37) Ethyl Acetate	4.29	43	24673	25.97	ug/l #	1
38) Carbon Tetrachloride	4.17	117	205148	64.75	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	113413	68.33	ug/l	96
40) Benzene	4.81	78	203045	53.77	ug/l	98
41) Methacrylonitrile	4.93	41	14769	29.45	ug/l	92
42) 1,2-Dichloroethane	5.11	62	107063	34.94	ug/l	99
43) Isopropyl Acetate	7.11	43	29967	30.63	ug/l #	95
44) Trichloroethene	5.68	130	83186	56.44	ug/l	92
45) 1,2-Dichloropropane	6.40	63	48870	48.12	ug/l	100
46) Dibromomethane	6.26	93	33292	32.49	ug/l	92
47) Bromodichloromethane	6.55	83	120346	42.94	ug/l	97
48) Methyl methacrylate	6.87	41	23596	31.00	ug/l #	88
49) 1,4-Dioxane	6.87	88	3224	622.55	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	146505	146.44	ug/l	94
52) Toluene	7.78	92	152010	54.38	ug/l	88
53) t-1,3-Dichloropropene	8.43	75	85698	40.20	ug/l #	88
54) cis-1,3-Dichloropropene	7.46	75	100483	45.67	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	35802	35.58	ug/l	95
56) Ethyl methacrylate	8.76	69	33946	32.06	ug/l	92
57) 1,3-Dichloropropane	9.00	76	61005	35.31	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.78	63	34213	257.01	ug/l	100
59) 2-Hexanone	9.63	43	118419	167.57	ug/l	96
60) Dibromochloromethane	8.86	129	72738	38.53	ug/l	96
61) 1,2-Dibromoethane	9.14	107	38984	31.80	ug/l	96
64) Tetrachloroethene	8.31	164	86573	54.28	ug/l	95
65) Chlorobenzene	9.94	112	192443	51.28	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	83099	44.52	ug/l	97
67) Ethyl Benzene	10.04	91	385875	59.02	ug/l	98
68) m/p-Xylenes	10.25	106	305087	135.00	ug/l	79
69) o-Xylene	10.83	106	135054	56.41	ug/l	89
70) Styrene	10.90	104	183974	51.50	ug/l	98
71) Bromoform	10.89	173	37977	33.20	ug/l	89
73) Isopropylbenzene	11.23	105	453584	64.99	ug/l	100
74) N-amyl acetate	11.46	43	63415	37.50	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	44929	34.29	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	39532	35.12	ug/l	86
77) Bromobenzene	11.59	156	97600	51.42	ug/l	90
78) n-propylbenzene	11.69	91	555668	67.42	ug/l	97
79) 2-Chlorotoluene	11.81	91	317588	60.91	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	409234	63.14	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	12613	31.20	ug/l #	81
82) 4-Chlorotoluene	11.98	91	324197	57.26	ug/l	95
83) tert-Butylbenzene	12.21	119	403009	63.88	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	391636	58.76	ug/l	94
85) sec-Butylbenzene	12.39	105	560971	66.92	ug/l	100
86) p-Isopropyltoluene	12.54	119	477956	67.84	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	188958	52.54	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	183686	52.03	ug/l	98
89) n-Butylbenzene	12.92	91	473640	70.54	ug/l	98
90) Hexachloroethane	13.00	117	113163	58.21	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	161292	46.61	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9910	30.00	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	122317	46.55	ug/l	95
94) Hexachlorobutadiene	14.25	225	121102	65.24	ug/l	96
95) Naphthalene	14.52	128	152610	33.55	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	111343	42.91	ug/l	100

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

