

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080618\
 Data File : VF059885.D
 Acq On : 6 Aug 2018 19:40
 Operator : VA/AP
 Sample : VF0806SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBS01

Manual Integrations
 APPROVED

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

Quant Time: Aug 07 04:00:03 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	5.04	168	192414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	264735	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	262303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	179147	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	168399	48.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.10%		
35) Dibromofluoromethane	4.30	113	133778	50.79	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.58%		
50) Toluene-d8	7.71	98	290852	51.90	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.80%		
62) 4-Bromofluorobenzene	11.51	95	169940	53.96	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.92%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	65142	19.81	ug/l	99
3) Chloromethane	1.08	50	30599	20.12	ug/l	92
4) Vinyl Chloride	1.15	62	30701	19.71	ug/l #	81
5) Bromomethane	1.34	94	29570	20.11	ug/l	92
6) Chloroethane	1.43	64	20370	20.82	ug/l #	86
7) Trichlorofluoromethane	1.53	101	68447m	16.05	ug/l	
8) Diethyl Ether	1.70	74	13001	19.21	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.90	101	45340	19.27	ug/l	95
10) Methyl Iodide	1.96	142	71823	19.87	ug/l	90
11) Tert butyl alcohol	2.69	59	12823	91.64	ug/l	97
12) 1,1-Dichloroethene	1.85	96	33221	19.33	ug/l	87
13) Acrolein	2.10	56	7995	95.34	ug/l	89
14) Allyl chloride	2.19	41	56402	19.68	ug/l	98
15) Acrylonitrile	3.07	53	23413	91.31	ug/l	95
16) Acetone	2.33	43	77238	120.61	ug/l	99
17) Carbon Disulfide	1.88	76	88782	19.35	ug/l	94
18) Methyl Acetate	2.54	43	33592	31.09	ug/l	93
19) Methyl tert-butyl Ether	2.54	73	92505	19.01	ug/l	99
20) Methylene Chloride	2.31	84	48064m	27.46	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	32601	19.09	ug/l	95
22) Diisopropyl ether	2.93	45	112062	20.33	ug/l	95
23) Vinyl Acetate	3.33	43	297427	111.45	ug/l	97
24) 1,1-Dichloroethane	2.99	63	77326	19.26	ug/l	96
25) 2-Butanone	4.51	43	76020	109.17	ug/l	97
26) 2,2-Dichloropropane	3.76	77	53063	22.70	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	36540	19.03	ug/l	77
28) Bromochloromethane	3.88	49	28057	19.79	ug/l	86
29) Tetrahydrofuran	4.26	42	28144	109.79	ug/l	92
30) Chloroform	4.03	83	104564	19.25	ug/l	94
31) Cyclohexane	3.85	56	41012	20.64	ug/l	89
32) 1,1,1-Trichloroethane	4.28	97	87273	20.09	ug/l	95
36) 1,1-Dichloropropene	4.45	75	59901	19.56	ug/l	98
37) Ethyl Acetate	4.29	43	27886	21.21	ug/l #	91
38) Carbon Tetrachloride	4.17	117	109186	24.91	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	49504	21.56	ug/l	98
40) Benzene	4.81	78	136546	24.44	ug/l	96
41) Methacrylonitrile	4.92	41	14236	20.52	ug/l	96
42) 1,2-Dichloroethane	5.11	62	86998	20.52	ug/l	97
43) Isopropyl Acetate	7.11	43	28442	21.01	ug/l #	94
44) Trichloroethene	5.67	130	44529	21.83	ug/l	94
45) 1,2-Dichloropropane	6.41	63	27581	19.63	ug/l	95
46) Dibromomethane	6.25	93	26811	18.91	ug/l	94
47) Bromodichloromethane	6.54	83	77565	20.00	ug/l	90
48) Methyl methacrylate	6.88	41	21784	20.68	ug/l	97
49) 1,4-Dioxane	6.86	88	2811	422.04	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	150391	108.65	ug/l	96
52) Toluene	7.78	92	82194	21.25	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	66183	22.44	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	64219	21.09	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	29770	21.38	ug/l	90
56) Ethyl methacrylate	8.76	69	28772	20.94	ug/l	88
57) 1,3-Dichloropropane	9.00	76	50425	21.09	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.78	63	21742	118.04	ug/l	100
59) 2-Hexanone	9.63	43	108076	110.53	ug/l	94
60) Dibromochloromethane	8.86	129	57862	22.15	ug/l	98
61) 1,2-Dibromoethane	9.14	107	36197	21.34	ug/l	96
64) Tetrachloroethene	8.30	164	44660	19.74	ug/l	93
65) Chlorobenzene	9.94	112	105883	19.89	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.07	131	54324	20.51	ug/l	93
67) Ethyl Benzene	10.03	91	201923	21.77	ug/l	98
68) m/p-Xylenes	10.27	106	146319	45.63	ug/l	94
69) o-Xylene	10.83	106	75015	22.09	ug/l	99
70) Styrene	10.90	104	111447	21.99	ug/l	98
71) Bromoform	10.89	173	34476	21.24	ug/l	97
73) Isopropylbenzene	11.23	105	240518	21.56	ug/l	99
74) N-amyl acetate	11.46	43	54262	21.45	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	43820	20.92	ug/l	87
76) 1,2,3-Trichloropropane	11.89	75	35389	19.67	ug/l	85
77) Bromobenzene	11.59	156	62143	20.48	ug/l	86
78) n-propylbenzene	11.69	91	291765	22.14	ug/l	97
79) 2-Chlorotoluene	11.81	91	181997	21.83	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	226189	21.83	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	22343	34.57	ug/l	90
82) 4-Chlorotoluene	11.98	91	192845	21.31	ug/l	95
83) tert-Butylbenzene	12.21	119	219948	21.81	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	230295	21.61	ug/l	100
85) sec-Butylbenzene	12.39	105	326510	24.36	ug/l	98
86) p-Isopropyltoluene	12.54	119	259681	23.05	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	120950	21.04	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	118746	21.04	ug/l	99
89) n-Butylbenzene	12.92	91	256357	23.88	ug/l	97
90) Hexachloroethane	12.99	117	68157	21.93	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	123259	22.28	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10566	20.01	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	92490	22.02	ug/l	96
94) Hexachlorobutadiene	14.25	225	71236	24.00	ug/l	95
95) Naphthalene	14.53	128	151203	20.79	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	91938	22.16	ug/l	96

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

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