

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090618\
 Data File : VF060199.D
 Acq On : 6 Sep 2018 12:43
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 9/7/2018 10:49:57 AM

Quant Time: Sep 07 02:14:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 01:56:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	153698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	218687	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	226065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	145698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	55787	20.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.78%	
35) Dibromofluoromethane	4.29	113	45318	21.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.46%	
50) Toluene-d8	7.70	98	114331	21.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.04%	
62) 4-Bromofluorobenzene	11.51	95	64548	21.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	65254m	23.18	ug/l	
3) Chloromethane	1.08	50	35066	22.67	ug/l	97
4) Vinyl Chloride	1.13	62	25122	21.37	ug/l	96
5) Bromomethane	1.32	94	22760	21.50	ug/l	98
6) Chloroethane	1.39	64	17615	23.00	ug/l	93
7) Trichlorofluoromethane	1.48	101	62850	19.00	ug/l	93
8) Diethyl Ether	1.71	74	10356	21.01	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.87	101	35336	21.73	ug/l	96
10) Methyl Iodide	1.92	142	32214	22.63	ug/l #	94
11) Tert butyl alcohol	2.70	59	12831	108.24	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	23125	21.10	ug/l	98
13) Acrolein	2.09	56	6491	103.25	ug/l #	76
14) Allyl chloride	2.19	41	36854	22.41	ug/l	96
15) Acrylonitrile	3.09	53	20271	100.38	ug/l	97
16) Acetone	2.35	43	68670	118.19	ug/l	95
17) Carbon Disulfide	1.84	76	67909	21.19	ug/l	97
18) Methyl Acetate	2.46	43	18451	19.63	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	75388	20.84	ug/l	98
20) Methylene Chloride	2.28	84	38293	21.86	ug/l	89
21) trans-1,2-Dichloroethene	2.41	96	23550	21.10	ug/l	93
22) Diisopropyl ether	2.93	45	83456	20.21	ug/l	95
23) Vinyl Acetate	3.33	43	156234	108.10	ug/l	97
24) 1,1-Dichloroethane	3.00	63	57810	21.53	ug/l	96
25) 2-Butanone	4.51	43	86152	116.46	ug/l	99
26) 2,2-Dichloropropane	3.76	77	76768	23.61	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	30040	20.76	ug/l	95
28) Bromochloromethane	3.89	49	21011	23.21	ug/l #	94
29) Tetrahydrofuran	4.25	42	28555	115.94	ug/l	99
30) Chloroform	4.03	83	85209	21.49	ug/l	95
31) Cyclohexane	3.86	56	39188	21.61	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	82507	20.97	ug/l	92
36) 1,1-Dichloropropene	4.45	75	51418	20.26	ug/l	94
37) Ethyl Acetate	4.29	43	28370	20.31	ug/l	84
38) Carbon Tetrachloride	4.16	117	74225	20.91	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	43159	20.13	ug/l	100
40) Benzene	4.80	78	93689	20.75	ug/l	94
41) Methacrylonitrile	4.92	41	14797	22.33	ug/l	96
42) 1,2-Dichloroethane	5.11	62	67870	20.47	ug/l	100
43) Isopropyl Acetate	7.11	43	30204	20.18	ug/l #	98
44) Trichloroethene	5.67	130	38612	20.75	ug/l	92
45) 1,2-Dichloropropane	6.40	63	26336	20.40	ug/l	92
46) Dibromomethane	6.25	93	25876	22.43	ug/l	96
47) Bromodichloromethane	6.55	83	65397	20.98	ug/l	99
48) Methyl methacrylate	6.87	41	24940	21.05	ug/l	88
49) 1,4-Dioxane	6.88	88	1458	54.49	ug/l #	84
51) 4-Methyl-2-Pentanone	8.40	43	141479	106.39	ug/l	97
52) Toluene	7.77	92	72193	20.62	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	60126	23.12	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	56739	21.26	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	26768	20.34	ug/l	97
56) Ethyl methacrylate	8.76	69	31107	20.99	ug/l	94
57) 1,3-Dichloropropane	8.99	76	49529	21.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	17207	108.91	ug/l	100
59) 2-Hexanone	9.62	43	96588	96.44	ug/l	96
60) Dibromochloromethane	8.85	129	44265	20.40	ug/l	91
61) 1,2-Dibromoethane	9.13	107	33453	21.30	ug/l	99
64) Tetrachloroethene	8.30	164	56947	21.66	ug/l	97
65) Chlorobenzene	9.94	112	95545	20.51	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	43640	21.23	ug/l	98
67) Ethyl Benzene	10.04	91	184065	21.30	ug/l	93
68) m/p-Xylenes	10.26	106	124016	42.83	ug/l	97
69) o-Xylene	10.83	106	67134	21.61	ug/l	81
70) Styrene	10.89	104	102148	21.73	ug/l	98
71) Bromoform	10.88	173	25546	21.28	ug/l #	94
73) Isopropylbenzene	11.22	105	213513	21.25	ug/l	98
74) N-amyl acetate	11.46	43	29059	17.38	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	31216	20.69	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	33288	20.86	ug/l	91
77) Bromobenzene	11.59	156	54594	20.83	ug/l	96
78) n-propylbenzene	11.68	91	255263	21.29	ug/l	98
79) 2-Chlorotoluene	11.81	91	152626	21.04	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	188134	21.26	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	6194m	12.03	ug/l	
82) 4-Chlorotoluene	11.98	91	163843	20.37	ug/l	100
83) tert-Butylbenzene	12.21	119	169561	21.15	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	189646	21.03	ug/l	98
85) sec-Butylbenzene	12.38	105	233429	21.21	ug/l	99
86) p-Isopropyltoluene	12.53	119	208324	21.15	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	102953	21.56	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	95395	20.24	ug/l	94
89) n-Butylbenzene	12.92	91	203221	21.40	ug/l	97
90) Hexachloroethane	12.99	117	42709	21.32	ug/l	92
91) 1,2-Dichlorobenzene	13.01	146	98154	21.55	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	7818	20.32	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	78464	22.34	ug/l	97
94) Hexachlorobutadiene	14.25	225	55733	22.17	ug/l	94
95) Naphthalene	14.52	128	94503	19.24	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	69953	21.27	ug/l	97

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

