

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059958.D
 Acq On : 14 Aug 2018 21:28
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 8/16/2018 12:15:26 PM

Quant Time: Aug 15 09:15:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	134588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	195555	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	189055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	117407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	327544	134.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	269.48%	
35) Dibromofluoromethane	4.31	113	258232	133.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	267.44%	
50) Toluene-d8	7.73	98	626590	151.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.14%	
62) 4-Bromofluorobenzene	11.53	95	325453	139.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	273000	121.64	ug/l	89
3) Chloromethane	1.10	50	123662	118.93	ug/l	93
4) Vinyl Chloride	1.16	62	150325	139.32	ug/l	97
5) Bromomethane	1.35	94	118379	117.08	ug/l	99
6) Chloroethane	1.43	64	91666	135.58	ug/l	97
7) Trichlorofluoromethane	1.54	101	391289m	131.25	ug/l	
8) Diethyl Ether	1.71	74	61257	131.51	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.92	101	193561	119.24	ug/l	98
10) Methyl Iodide	1.98	142	325126	130.89	ug/l	91
11) Tert butyl alcohol	2.70	59	63245	637.36	ug/l	94
12) 1,1-Dichloroethene	1.87	96	152961	128.63	ug/l	99
13) Acrolein	2.10	56	44004	746.21	ug/l	96
14) Allyl chloride	2.19	41	207475	108.70	ug/l	93
15) Acrylonitrile	3.09	53	107681	621.27	ug/l	99
16) Acetone	2.35	43	295716	657.14	ug/l	95
17) Carbon Disulfide	1.90	76	392282m	125.46	ug/l	
18) Methyl Acetate	2.46	43	87538	118.21	ug/l #	92
19) Methyl tert-butyl Ether	2.55	73	435244	129.20	ug/l	99
20) Methylene Chloride	2.33	84	137665m	138.05	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	144800	123.19	ug/l	95
22) Diisopropyl ether	2.93	45	519840	136.46	ug/l	96
23) Vinyl Acetate	3.35	43	1290813	696.06	ug/l	100
24) 1,1-Dichloroethane	3.01	63	346091	125.08	ug/l	98
25) 2-Butanone	4.53	43	335350	694.42	ug/l	100
26) 2,2-Dichloropropane	3.78	77	207801	126.44	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	165248	126.27	ug/l	98
28) Bromochloromethane	3.91	49	121137	122.13	ug/l #	83
29) Tetrahydrofuran	4.26	42	114856	646.15	ug/l	98
30) Chloroform	4.06	83	481477	128.50	ug/l	98
31) Cyclohexane	3.88	56	182549	133.64	ug/l	88
32) 1,1,1-Trichloroethane	4.29	97	387092	128.99	ug/l	95
36) 1,1-Dichloropropene	4.48	75	298444	134.44	ug/l	97
37) Ethyl Acetate	4.30	43	124672	130.90	ug/l	82
38) Carbon Tetrachloride	4.19	117	460015	138.94	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	222545	134.40	ug/l	96
40) Benzene	4.83	78	499986	134.61	ug/l	97
41) Methacrylonitrile	4.94	41	64469	129.33	ug/l #	82
42) 1,2-Dichloroethane	5.13	62	377313	121.88	ug/l	96
43) Isopropyl Acetate	7.12	43	158345	157.85	ug/l #	96
44) Trichloroethene	5.69	130	186412	126.23	ug/l	99
45) 1,2-Dichloropropane	6.42	63	141917	139.13	ug/l	93
46) Dibromomethane	6.28	93	131205	126.86	ug/l	90
47) Bromodichloromethane	6.57	83	384603	135.75	ug/l	99
48) Methyl methacrylate	6.89	41	123072	158.96	ug/l	92
49) 1,4-Dioxane	6.88	88	17700	2965.01	ug/l #	74
51) 4-Methyl-2-Pentanone	8.42	43	679551	667.01	ug/l	96
52) Toluene	7.79	92	374169	132.70	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	310761	141.67	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	316027	140.97	ug/l	97
55) 1,1,2-Trichloroethane	8.66	97	137234	135.32	ug/l	96
56) Ethyl methacrylate	8.78	69	166079	140.98	ug/l	96
57) 1,3-Dichloropropane	9.02	76	237189	134.72	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.80	63	86213	642.67	ug/l	100
59) 2-Hexanone	9.65	43	501903	693.25	ug/l	95
60) Dibromochloromethane	8.88	129	259628	135.80	ug/l	94
61) 1,2-Dibromoethane	9.15	107	172389	139.55	ug/l	98
64) Tetrachloroethene	8.33	164	201545	127.59	ug/l	98
65) Chlorobenzene	9.96	112	517002	136.54	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.09	131	243508	130.16	ug/l	94
67) Ethyl Benzene	10.06	91	915987	139.75	ug/l	97
68) m/p-Xylenes	10.29	106	594257	262.15	ug/l	99
69) o-Xylene	10.85	106	341033	143.38	ug/l	97
70) Styrene	10.92	104	493399	137.43	ug/l	98
71) Bromoform	10.91	173	155914	135.11	ug/l	99
73) Isopropylbenzene	11.24	105	1072281	147.58	ug/l	99
74) N-amyl acetate	11.48	43	265497	141.01	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.80	83	178271	131.65	ug/l	97
76) 1,2,3-Trichloropropane	11.90	75	154580	132.21	ug/l	93
77) Bromobenzene	11.61	156	273260	137.92	ug/l	92
78) n-propylbenzene	11.71	91	1159258	134.86	ug/l	94
79) 2-Chlorotoluene	11.83	91	758178	140.12	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	941750	139.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.97	75	70005m	150.67	ug/l	
82) 4-Chlorotoluene	12.00	91	819849	137.89	ug/l	98
83) tert-Butylbenzene	12.23	119	895168	135.53	ug/l	96
84) 1,2,4-Trimethylbenzene	12.30	105	949214	135.80	ug/l	99
85) sec-Butylbenzene	12.40	105	1161004	132.56	ug/l	100
86) p-Isopropyltoluene	12.55	119	1037753	141.42	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	484272	129.11	ug/l	96
88) 1,4-Dichlorobenzene	12.66	146	491472	133.10	ug/l	97
89) n-Butylbenzene	12.93	91	984297	139.05	ug/l	98
90) Hexachloroethane	13.01	117	264606	132.26	ug/l	90
91) 1,2-Dichlorobenzene	13.04	146	473572	131.66	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.73	75	51307	150.13	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	384465	138.92	µg/l	96
94) Hexachlorobutadiene	14.27	225	269102	137.39	µg/l	97
95) Naphthalene	14.54	128	739041	156.08	µg/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	387612	143.20	µg/l	96

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

