

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059984.D
 Acq On : 17 Aug 2018 20:51
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF081718

Manual Integrations
 APPROVED

apatel
 8/20/2018 11:48:39 AM

Quant Time: Aug 18 01:15:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	137657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	196619	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	198998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	131240	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	125971	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	4.30	113	101435	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	7.72	98	227707	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.51	95	130928	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	103493	44.32	ug/l	97
3) Chloromethane	1.08	50	51386	47.13	ug/l	96
4) Vinyl Chloride	1.12	62	69701	49.99	ug/l	91
5) Bromomethane	1.32	94	56311	45.34	ug/l	98
6) Chloroethane	1.40	64	32524	44.93	ug/l	93
7) Trichlorofluoromethane	1.49	101	177884	44.45	ug/l	100
8) Diethyl Ether	1.70	74	30813	52.19	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.86	101	84104	44.83	ug/l	95
10) Methyl Iodide	1.93	142	105717	44.66	ug/l	98
11) Tert butyl alcohol	2.69	59	41123	265.55	ug/l #	92
12) 1,1-Dichloroethene	1.83	96	61639	47.64	ug/l	94
13) Acrolein	2.10	56	24865	252.72	ug/l	96
14) Allyl chloride	2.20	41	97608	44.46	ug/l #	94
15) Acrylonitrile	3.08	53	51169	204.35	ug/l	97
16) Acetone	2.34	43	151297	203.29	ug/l	100
17) Carbon Disulfide	1.84	76	183584	44.64	ug/l	98
18) Methyl Acetate	2.45	43	59109	43.00	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	197152	46.30	ug/l	95
20) Methylene Chloride	2.28	84	71859	48.63	ug/l	94
21) trans-1,2-Dichloroethene	2.41	96	66753	48.06	ug/l	93
22) Diisopropyl ether	2.93	45	187943	40.03	ug/l #	98
23) Vinyl Acetate	3.34	43	486834	257.52	ug/l #	96
24) 1,1-Dichloroethane	3.00	63	137853	44.77	ug/l	99
25) 2-Butanone	4.51	43	147549	229.70	ug/l	95
26) 2,2-Dichloropropane	3.76	77	129654	47.53	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	62605	49.29	ug/l	90
28) Bromochloromethane	3.90	49	39685	44.92	ug/l	97
29) Tetrahydrofuran	4.25	42	55763	243.24	ug/l	99
30) Chloroform	4.04	83	172302	48.40	ug/l	100
31) Cyclohexane	3.86	56	68569	48.64	ug/l #	96
32) 1,1,1-Trichloroethane	4.29	97	161565	46.50	ug/l	98
36) 1,1-Dichloropropene	4.46	75	101090	45.14	ug/l	97
37) Ethyl Acetate	4.30	43	56600	45.73	ug/l	98
38) Carbon Tetrachloride	4.18	117	149012	46.39	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	83137	49.49	ug/l	95
40) Benzene	4.82	78	188310	49.68	ug/l	99
41) Methacrylonitrile	4.93	41	29194	49.26	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	140153	43.60	ug/l	100
43) Isopropyl Acetate	7.11	43	64995	47.70	ug/l #	86
44) Trichloroethene	5.69	130	69456	46.95	ug/l	85
45) 1,2-Dichloropropane	6.42	63	52958	48.84	ug/l	95
46) Dibromomethane	6.26	93	50556	47.28	ug/l	93
47) Bromodichloromethane	6.55	83	134586	46.62	ug/l	99
48) Methyl methacrylate	6.88	41	48685	48.01	ug/l #	89
49) 1,4-Dioxane	6.87	88	8596	967.82	ug/l #	74
51) 4-Methyl-2-Pentanone	8.41	43	304989	239.65	ug/l	99
52) Toluene	7.79	92	130615	46.04	ug/l	94
53) t-1,3-Dichloropropene	8.44	75	112825	46.33	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	114814	48.84	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	55128	48.44	ug/l	98
56) Ethyl methacrylate	8.77	69	66336	50.31	ug/l	96
57) 1,3-Dichloropropane	9.01	76	98316	48.47	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	29787	269.34	ug/l	100
59) 2-Hexanone	9.64	43	241453	229.77	ug/l	99
60) Dibromochloromethane	8.87	129	97722	46.99	ug/l	100
61) 1,2-Dibromoethane	9.15	107	67152	47.29	ug/l	91
64) Tetrachloroethene	8.32	164	70059	46.20	ug/l	90
65) Chlorobenzene	9.94	112	185801	47.31	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	84653	46.85	ug/l	96
67) Ethyl Benzene	10.04	91	340549	47.76	ug/l	100
68) m/p-Xylenes	10.28	106	226656	91.74	ug/l	93
69) o-Xylene	10.83	106	126167	49.81	ug/l	97
70) Styrene	10.91	104	193918	47.79	ug/l	98
71) Bromoform	10.89	173	65214	48.81	ug/l	97
73) Isopropylbenzene	11.24	105	403780	51.32	ug/l	99
74) N-amyl acetate	11.47	43	115467	51.72	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	74715	48.37	ug/l	92
76) 1,2,3-Trichloropropane	11.90	75	64598	47.21	ug/l	97
77) Bromobenzene	11.60	156	110904	50.54	ug/l	94
78) n-propylbenzene	11.70	91	461171	47.22	ug/l	99
79) 2-Chlorotoluene	11.82	91	285313	48.08	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	345300	48.54	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	28740m	49.77	ug/l	
82) 4-Chlorotoluene	11.99	91	318368	49.03	ug/l	97
83) tert-Butylbenzene	12.22	119	355181	50.82	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	362845	48.44	ug/l	98
85) sec-Butylbenzene	12.39	105	440766	47.71	ug/l	95
86) p-Isopropyltoluene	12.55	119	401846	49.18	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	199830	47.71	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	204309	49.82	ug/l	98
89) n-Butylbenzene	12.92	91	388950	49.26	ug/l	97
90) Hexachloroethane	13.00	117	92217	50.10	ug/l	96
91) 1,2-Dichlorobenzene	13.03	146	196802	49.09	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	21436	50.18	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	156274	47.77	ug/l	99
94) Hexachlorobutadiene	14.26	225	105474	48.13	ug/l	93
95) Naphthalene	14.53	128	208862	45.36	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	149078	47.26	ug/l	98

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

