

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059614.D
 Acq On : 23 Jul 2018 14:46
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 7/24/2018 1:13:39 PM

Quant Time: Jul 23 15:06:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 15:04:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	234705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	325662	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	334307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	215113	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	265118	72.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.36%	
35) Dibromofluoromethane	4.29	113	215879	73.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.82%	
50) Toluene-d8	7.70	98	544901	76.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.00%	
62) 4-Bromofluorobenzene	11.51	95	300396	72.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	196486	66.12	ug/l	87
3) Chloromethane	1.09	50	88760	61.31	ug/l	93
4) Vinyl Chloride	1.15	62	106251	68.03	ug/l #	84
5) Bromomethane	1.33	94	79171	61.11	ug/l	90
6) Chloroethane	1.42	64	60917	66.89	ug/l	94
7) Trichlorofluoromethane	1.48	101	283993m	69.43	ug/l	
8) Diethyl Ether	1.70	74	43801	68.04	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	131299	64.20	ug/l	93
10) Methyl Iodide	1.95	142	231042	67.99	ug/l	96
11) Tert butyl alcohol	2.68	59	46430	293.64	ug/l	96
12) 1,1-Dichloroethene	1.85	96	108478	63.43	ug/l	98
13) Acrolein	2.08	56	27573	398.95	ug/l	95
14) Allyl chloride	2.18	41	189267	67.70	ug/l	92
15) Acrylonitrile	3.07	53	81172	314.03	ug/l	96
16) Acetone	2.33	43	197508	312.32	ug/l	96
17) Carbon Disulfide	1.84	76	272573m	61.68	ug/l	
18) Methyl Acetate	2.45	43	61162	51.21	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	327817	64.92	ug/l	99
20) Methylene Chloride	2.27	84	98475m	51.09	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	106868	61.89	ug/l	94
22) Diisopropyl ether	2.92	45	363490	62.77	ug/l	96
23) Vinyl Acetate	3.32	43	933199	310.45	ug/l	100
24) 1,1-Dichloroethane	2.99	63	265434	67.35	ug/l	98
25) 2-Butanone	4.51	43	213240	300.82	ug/l	99
26) 2,2-Dichloropropane	3.75	77	215091	70.05	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	133785	68.99	ug/l	98
28) Bromochloromethane	3.88	49	92830	60.70	ug/l	94
29) Tetrahydrofuran	4.25	42	82594	275.35	ug/l	95
30) Chloroform	4.02	83	359132	65.61	ug/l	98
31) Cyclohexane	3.86	56	139732	64.04	ug/l	89
32) 1,1,1-Trichloroethane	4.26	97	314106	68.69	ug/l	98
36) 1,1-Dichloropropene	4.45	75	225964	68.40	ug/l #	92
37) Ethyl Acetate	4.27	43	91061	61.75	ug/l #	70
38) Carbon Tetrachloride	4.16	117	336736	68.81	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	177621	67.70	ug/l	94
40) Benzene	4.80	78	399609	65.34	ug/l	99
41) Methacrylonitrile	4.91	41	44171	58.01	ug/l #	72
42) 1,2-Dichloroethane	5.11	62	270541	64.83	ug/l	99
43) Isopropyl Acetate	7.10	43	115659	60.55	ug/l #	97
44) Trichloroethene	5.67	130	151908	64.95	ug/l	95
45) 1,2-Dichloropropane	6.39	63	110713	66.21	ug/l	98
46) Dibromomethane	6.24	93	97262	68.10	ug/l	99
47) Bromodichloromethane	6.54	83	279270	66.90	ug/l #	95
48) Methyl methacrylate	6.86	41	84963	59.68	ug/l	97
49) 1,4-Dioxane	6.86	88	12051	1493.57	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	424872	318.30	ug/l	99
52) Toluene	7.77	92	304823	65.76	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	238461	67.40	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	240501	67.88	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	109175	66.51	ug/l	96
56) Ethyl methacrylate	8.76	69	128095	67.77	ug/l	92
57) 1,3-Dichloropropane	8.99	76	189385	65.99	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	65790	328.28	ug/l	100
59) 2-Hexanone	9.62	43	346513	320.86	ug/l	99
60) Dibromochloromethane	8.85	129	197754	68.86	ug/l	99
61) 1,2-Dibromoethane	9.13	107	125674	65.13	ug/l	99
64) Tetrachloroethene	8.30	164	158730	62.78	ug/l	94
65) Chlorobenzene	9.94	112	390962	62.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	182574	64.02	ug/l	95
67) Ethyl Benzene	10.04	91	743851	66.28	ug/l	100
68) m/p-Xylenes	10.26	106	495400	129.15	ug/l	100
69) o-Xylene	10.83	106	276051	65.47	ug/l	97
70) Styrene	10.90	104	418384	66.40	ug/l	99
71) Bromoform	10.89	173	115944	61.84	ug/l	95
73) Isopropylbenzene	11.22	105	859491	62.38	ug/l	98
74) N-amyl acetate	11.46	43	225012	65.53	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	148529	58.84	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	125877	58.59	ug/l	87
77) Bromobenzene	11.60	156	228814	62.71	ug/l	91
78) n-propylbenzene	11.68	91	982163	59.88	ug/l	98
79) 2-Chlorotoluene	11.81	91	622444	63.08	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	765755	62.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	50669m	47.34	ug/l	
82) 4-Chlorotoluene	11.99	91	685655	62.37	ug/l	93
83) tert-Butylbenzene	12.22	119	760619	63.57	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	779196	62.81	ug/l	96
85) sec-Butylbenzene	12.38	105	999295	65.37	ug/l	98
86) p-Isopropyltoluene	12.53	119	872811	65.54	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	414327	61.00	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	414726	64.11	ug/l	96
89) n-Butylbenzene	12.92	91	836918	65.94	ug/l	97
90) Hexachloroethane	12.99	117	213325	65.28	ug/l	81
91) 1,2-Dichlorobenzene	13.01	146	389784	61.31	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	36588	59.66	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	297970	65.36	ug/l	98
94) Hexachlorobutadiene	14.26	225	215635	72.77	ug/l	94
95) Naphthalene	14.52	128	525865	66.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	291705	69.98	ug/l	98

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

