

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059696.D
 Acq On : 30 Jul 2018 19:04
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 91 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:13:13 PM

Quant Time: Jul 31 04:29:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	200041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	284767	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	278582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	172697	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	73499	23.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.78%	
35) Dibromofluoromethane	4.28	113	58902	21.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.22%	
50) Toluene-d8	7.70	98	134849	20.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.92%	
62) 4-Bromofluorobenzene	11.51	95	73455	20.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	67096	32.48	ug/l	93
3) Chloromethane	1.09	50	30680	26.27	ug/l	94
4) Vinyl Chloride	1.16	62	32629	26.39	ug/l #	89
5) Bromomethane	1.33	94	27489	25.55	ug/l	96
6) Chloroethane	1.41	64	19221	24.92	ug/l	96
7) Trichlorofluoromethane	1.53	101	80682m	21.70	ug/l	
8) Diethyl Ether	1.70	74	12369	23.49	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	1.90	101	44217	22.37	ug/l	94
10) Methyl Iodide	1.96	142	67870	23.46	ug/l	98
11) Tert butyl alcohol	2.69	59	15374	113.98	ug/l #	84
12) 1,1-Dichloroethene	1.85	96	34869	23.85	ug/l	95
13) Acrolein	2.09	56	3939	65.98	ug/l	81
14) Allyl chloride	2.18	41	57818	24.17	ug/l	96
15) Acrylonitrile	3.08	53	26147	127.18	ug/l #	82
16) Acetone	2.34	43	63836	111.51	ug/l	94
17) Carbon Disulfide	1.89	76	92617m	26.06	ug/l	
18) Methyl Acetate	2.45	43	26737	27.90	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	97014	23.74	ug/l	99
20) Methylene Chloride	2.27	84	36520m	17.32	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	34267	22.85	ug/l	87
22) Diisopropyl ether	2.92	45	114693	23.99	ug/l	98
23) Vinyl Acetate	3.32	43	279884	118.09	ug/l	98
24) 1,1-Dichloroethane	2.99	63	82221	24.17	ug/l	99
25) 2-Butanone	4.51	43	71718	113.70	ug/l #	79
26) 2,2-Dichloropropane	3.75	77	57221	20.68	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	45663	25.96	ug/l	94
28) Bromochloromethane	3.88	49	32644	26.05	ug/l	99
29) Tetrahydrofuran	4.26	42	29722	117.40	ug/l	92
30) Chloroform	4.02	83	111587	23.22	ug/l	96
31) Cyclohexane	3.85	56	48001	24.56	ug/l	99
32) 1,1,1-Trichloroethane	4.26	97	88180	22.37	ug/l	98
36) 1,1-Dichloropropene	4.45	75	72895	23.60	ug/l	97
37) Ethyl Acetate	4.29	43	34053	25.27	ug/l #	89
38) Carbon Tetrachloride	4.16	117	96518m	21.30	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	58400	23.23	ug/l	92
40) Benzene	4.80	78	127975	23.33	ug/l	100
41) Methacrylonitrile	4.91	41	17005	25.63	ug/l	90
42) 1,2-Dichloroethane	5.11	62	89799	25.16	ug/l	99
43) Isopropyl Acetate	7.11	43	35019	25.10	ug/l #	88
44) Trichloroethene	5.66	130	48815	22.97	ug/l	91
45) 1,2-Dichloropropane	6.39	63	33599	23.05	ug/l	91
46) Dibromomethane	6.24	93	30663	24.22	ug/l	90
47) Bromodichloromethane	6.54	83	87642	23.63	ug/l	97
48) Methyl methacrylate	6.86	41	25427	23.22	ug/l	94
49) 1,4-Dioxane	6.86	88	4623	529.07	ug/l #	91
51) 4-Methyl-2-Pentanone	8.40	43	141754	126.26	ug/l	97
52) Toluene	7.77	92	93850	23.03	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	75332	25.39	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	70005	22.74	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	32508	24.02	ug/l	93
56) Ethyl methacrylate	8.76	69	33458	23.32	ug/l	90
57) 1,3-Dichloropropane	8.99	76	55867	23.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	20053	115.75	ug/l	100
59) 2-Hexanone	9.62	43	98507	118.29	ug/l	95
60) Dibromochloromethane	8.85	129	55316	22.66	ug/l	98
61) 1,2-Dibromoethane	9.13	107	37782	23.08	ug/l	98
64) Tetrachloroethene	8.29	164	51856	23.36	ug/l	95
65) Chlorobenzene	9.93	112	122519	22.64	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	59292	23.80	ug/l	94
67) Ethyl Benzene	10.03	91	216662	22.07	ug/l	97
68) m/p-Xylenes	10.26	106	147351	43.38	ug/l	97
69) o-Xylene	10.82	106	71551	19.51	ug/l	93
70) Styrene	10.90	104	120965	22.67	ug/l	99
71) Bromoform	10.89	173	35864	23.35	ug/l	93
73) Isopropylbenzene	11.22	105	262234	22.25	ug/l	94
74) N-amyl acetate	11.46	43	55411	22.94	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	46534	24.04	ug/l	93
76) 1,2,3-Trichloropropane	11.88	75	39513	24.85	ug/l	97
77) Bromobenzene	11.59	156	68831	24.06	ug/l	95
78) n-propylbenzene	11.68	91	310676	22.88	ug/l	97
79) 2-Chlorotoluene	11.80	91	188255	22.78	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	239783	23.17	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	17062m	20.67	ug/l	
82) 4-Chlorotoluene	11.98	91	201331	23.12	ug/l	96
83) tert-Butylbenzene	12.21	119	233910	22.37	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	236438	22.24	ug/l	97
85) sec-Butylbenzene	12.38	105	306349	22.27	ug/l	98
86) p-Isopropyltoluene	12.53	119	267821	22.64	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	129690	23.24	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	124713	23.46	ug/l	96
89) n-Butylbenzene	12.92	91	260955	22.81	ug/l	96
90) Hexachloroethane	12.98	117	67404	22.38	ug/l	86
91) 1,2-Dichlorobenzene	13.01	146	125249	24.15	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	10480	22.26	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	99121	23.84	ug/l	93
94) Hexachlorobutadiene	14.25	225	65101	21.29	ug/l	100
95) Naphthalene	14.52	128	160378	24.21	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	94292	24.95	ug/l	98

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

