

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059688.D
 Acq On : 30 Jul 2018 15:02
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:12:52 PM

Quant Time: Jul 31 04:04:40 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	205373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	288588	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	283822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	184578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	71263	22.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.18%	
35) Dibromofluoromethane	4.29	113	59588	21.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.14%	
50) Toluene-d8	7.71	98	141573	21.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.40%	
62) 4-Bromofluorobenzene	11.50	95	77084	21.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.66%	

Target Compounds

						Qvalue
3) Chloromethane	1.08	50	7559	6.30	ug/l	93
4) Vinyl Chloride	1.15	62	10069	7.93	ug/l #	79
5) Bromomethane	1.34	94	14018	12.69	ug/l	85
6) Chloroethane	1.42	64	10447	13.19	ug/l	97
7) Trichlorofluoromethane	1.55	101	53973m	14.14	ug/l	
8) Diethyl Ether	1.70	74	11351	20.99	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.89	101	35477	17.48	ug/l	95
10) Methyl Iodide	1.96	142	55184	18.58	ug/l #	97
11) Tert butyl alcohol	2.68	59	15530	112.15	ug/l #	92
12) 1,1-Dichloroethene	1.85	96	27125	18.07	ug/l	91
13) Acrolein	2.09	56	4424	72.18	ug/l	93
14) Allyl chloride	2.19	41	46728	19.03	ug/l	93
15) Acrylonitrile	3.07	53	26319	124.69	ug/l	92
16) Acetone	2.33	43	74296	126.41	ug/l	100
17) Carbon Disulfide	1.88	76	58712m	16.09	ug/l	
18) Methyl Acetate	2.44	43	17084	17.36	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	99108	23.62	ug/l	98
20) Methylene Chloride	2.27	84	40850m	18.87	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	31680	20.58	ug/l	88
22) Diisopropyl ether	2.93	45	109397	22.29	ug/l	93
23) Vinyl Acetate	3.33	43	301235	123.80	ug/l	99
24) 1,1-Dichloroethane	2.99	63	73948	21.17	ug/l #	94
25) 2-Butanone	4.50	43	74157	114.52	ug/l #	79
26) 2,2-Dichloropropane	3.75	77	56546	19.90	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	39506	21.88	ug/l	95
28) Bromochloromethane	3.87	49	31062	24.14	ug/l	98
29) Tetrahydrofuran	4.26	42	30154	116.01	ug/l	99
30) Chloroform	4.03	83	109379	22.17	ug/l	93
31) Cyclohexane	3.85	56	40265	20.07	ug/l	90
32) 1,1,1-Trichloroethane	4.27	97	85699	21.18	ug/l	98
36) 1,1-Dichloropropene	4.45	75	67680	21.62	ug/l	93
37) Ethyl Acetate	4.29	43	31696	23.21	ug/l #	71
38) Carbon Tetrachloride	4.16	117	96862m	21.09	ug/l	
39) Methylcyclohexane	5.62	83	52086	20.45	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.81	78	115354	20.75	ug/l	99
41) Methacrylonitrile	4.92	41	16090	23.93	ug/l #	85
42) 1,2-Dichloroethane	5.11	62	85633	23.67	ug/l	100
43) Isopropyl Acetate	7.10	43	36519	25.83	ug/l #	92
44) Trichloroethene	5.67	130	45416	21.09	ug/l	86
45) 1,2-Dichloropropane	6.40	63	32285	21.85	ug/l	96
46) Dibromomethane	6.25	93	32437	25.28	ug/l #	75
47) Bromodichloromethane	6.54	83	82217	21.87	ug/l	98
48) Methyl methacrylate	6.87	41	23999	21.63	ug/l #	91
49) 1,4-Dioxane	6.87	88	5038	568.93	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	144748	127.22	ug/l	99
52) Toluene	7.78	92	88611	21.46	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	71928	23.92	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	74411	23.85	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	33244	24.24	ug/l	93
56) Ethyl methacrylate	8.76	69	34001	23.38	ug/l	97
57) 1,3-Dichloropropane	9.00	76	58452	24.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	20656	117.65	ug/l	100
59) 2-Hexanone	9.63	43	107441	127.30	ug/l	94
60) Dibromochloromethane	8.86	129	58706	23.73	ug/l	98
61) 1,2-Dibromoethane	9.14	107	39957	24.09	ug/l	94
64) Tetrachloroethene	8.30	164	45629	20.18	ug/l	94
65) Chlorobenzene	9.93	112	119121	21.60	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	56468	22.25	ug/l	97
67) Ethyl Benzene	10.03	91	214252	21.43	ug/l	99
68) m/p-Xylenes	10.27	106	151267	43.71	ug/l	95
69) o-Xylene	10.82	106	81725	21.87	ug/l	96
70) Stvrene	10.90	104	119844	22.05	ug/l	98
71) Bromoform	10.89	173	35660	22.79	ug/l #	97
73) Isopropylbenzene	11.23	105	267865	21.26	ug/l	97
74) N-amyl acetate	11.46	43	61743	23.91	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	48030	23.22	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	41270	24.29	ug/l	99
77) Bromobenzene	11.59	156	67278	22.00	ug/l	93
78) n-propylbenzene	11.69	91	313418	21.59	ug/l	100
79) 2-Chlorotoluene	11.81	91	186092	21.07	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	241520	21.84	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	17291m	19.60	ug/l	
82) 4-Chlorotoluene	11.98	91	199869	21.47	ug/l	100
83) tert-Butylbenzene	12.21	119	245402	21.96	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	237786	20.93	ug/l	99
85) sec-Butylbenzene	12.39	105	311875	21.21	ug/l	100
86) p-Isopropyltoluene	12.54	119	275482	21.79	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	129448	21.71	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	126580	22.28	ug/l	96
89) n-Butylbenzene	12.91	91	265510	21.71	ug/l	91
90) Hexachloroethane	12.99	117	67874	21.09	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	125334	22.61	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10973	21.81	ug/l	91
93) 1,2,4-Trichlorobenzene	14.26	180	97865	22.03	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.25	225	66771	20.43	µg/l	96
95) Naphthalene	14.52	128	163558	23.10	µg/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	91242	22.59	µg/l	95

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

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