

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060168.D
 Acq On : 29 Aug 2018 00:59
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 8/29/2018 2:02:04 PM

Quant Time: Aug 29 02:23:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 02:08:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	78750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	90465	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	71854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	35081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	9154	9.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.52%	
35) Dibromofluoromethane	4.28	113	11676	16.86	ug/l	0.01
Spiked Amount	50.000		Recovery	=	33.72%	
50) Toluene-d8	7.70	98	38737	19.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.16%	
62) 4-Bromofluorobenzene	11.51	95	13257	13.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	29279	25.45	ug/l	94
3) Chloromethane	1.08	50	11243	15.07	ug/l	95
4) Vinyl Chloride	1.13	62	12001	18.75	ug/l	90
5) Bromomethane	1.32	94	5084	11.11	ug/l #	68
6) Chloroethane	1.40	64	7344	26.80	ug/l #	86
7) Trichlorofluoromethane	1.49	101	54541	35.66	ug/l	99
8) Diethyl Ether	1.69	74	1957	9.36	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.86	101	23858	30.97	ug/l	99
10) Methyl Iodide	1.93	142	10399	12.47	ug/l	93
11) Tert butyl alcohol	2.60	59	732	14.93	ug/l #	72
12) 1,1-Dichloroethene	1.83	96	15135	27.88	ug/l	78
13) Acrolein	2.07	56	1095	44.17	ug/l #	68
14) Allyl chloride	2.18	41	11659	13.73	ug/l	97
15) Acrylonitrile	3.05	53	2272	22.87	ug/l #	84
16) Acetone	2.31	43	6668	27.17	ug/l #	90
17) Carbon Disulfide	1.85	76	43284	25.26	ug/l	99
18) Methyl Acetate	2.43	43	2731	5.66	ug/l #	61
19) Methyl tert-butyl Ether	2.51	73	10648	7.50	ug/l #	62
20) Methylene Chloride	2.28	84	8253	13.19	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	12516	21.47	ug/l	91
22) Diisopropyl ether	2.89	45	22288	12.23	ug/l	93
23) Vinyl Acetate	3.30	43	23981	26.40	ug/l	97
24) 1,1-Dichloroethane	2.99	63	20834	17.30	ug/l	97
25) 2-Butanone	4.48	43	6083	19.20	ug/l #	77
26) 2,2-Dichloropropane	3.75	77	13505	11.30	ug/l	90
27) cis-1,2-Dichloroethene	3.62	96	8766	11.88	ug/l	94
28) Bromochloromethane	3.88	49	4471	9.47	ug/l #	70
29) Tetrahydrofuran	4.23	42	2582	21.36	ug/l #	86
30) Chloroform	4.01	83	25028	15.30	ug/l	95
31) Cyclohexane	3.86	56	18547	19.08	ug/l #	93
32) 1,1,1-Trichloroethane	4.26	97	35055	23.01	ug/l #	86
36) 1,1-Dichloropropene	4.45	75	22791	24.95	ug/l	95
37) Ethyl Acetate	4.24	43	2897	6.44	ug/l #	18
38) Carbon Tetrachloride	4.16	117	31411	27.96	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	22874	25.64	ug/l	88
40) Benzene	4.80	78	33083	18.02	ug/l	98
41) Methacrylonitrile	4.89	41	2030	8.83	ug/l #	75
42) 1,2-Dichloroethane	5.11	62	11242	12.10	ug/l	99
43) Isopropyl Acetate	7.10	43	3548	6.33	ug/l #	86
44) Trichloroethene	5.66	130	15331	24.04	ug/l	90
45) 1,2-Dichloropropane	6.39	63	6522	13.17	ug/l	92
46) Dibromomethane	6.24	93	3612	9.63	ug/l #	77
47) Bromodichloromethane	6.54	83	13779	14.61	ug/l	92
48) Methyl methacrylate	6.85	41	2652	7.09	ug/l	93
49) 1,4-Dioxane	6.84	88	344	97.15	ug/l #	55
51) 4-Methyl-2-Pentanone	8.39	43	17353	35.58	ug/l	98
52) Toluene	7.77	92	26660	19.54	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	7423	9.02	ug/l	90
54) cis-1,3-Dichloropropene	7.44	75	9324	10.17	ug/l #	86
55) 1,1,2-Trichloroethane	8.62	97	4219	9.38	ug/l	89
56) Ethyl methacrylate	8.76	69	3566	6.70	ug/l #	65
57) 1,3-Dichloropropane	8.99	76	7437	9.41	ug/l #	83
58) 2-Chloroethyl Vinyl ether	7.77	63	5571	111.50	ug/l	100
59) 2-Hexanone	9.62	43	10943	27.91	ug/l	97
60) Dibromochloromethane	8.84	129	7408	10.94	ug/l	85
61) 1,2-Dibromoethane	9.12	107	4719	8.96	ug/l #	77
64) Tetrachloroethene	8.29	164	17357	31.29	ug/l	93
65) Chlorobenzene	9.93	112	29068	21.16	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	11013	21.37	ug/l	84
67) Ethyl Benzene	10.04	91	66871	26.21	ug/l	94
68) m/p-Xylenes	10.26	106	47573	49.86	ug/l	81
69) o-Xylene	10.83	106	19308	20.75	ug/l	97
70) Styrene	10.89	104	23893	17.23	ug/l	91
71) Bromoform	10.88	173	3756	11.35	ug/l	78
73) Isopropylbenzene	11.22	105	80629	33.04	ug/l	100
74) N-amyl acetate	11.46	43	5356	9.19	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.78	83	5278	12.50	ug/l	89
76) 1,2,3-Trichloropropane	11.88	75	5215	15.54	ug/l	91
77) Bromobenzene	11.58	156	11890	20.79	ug/l	93
78) n-propylbenzene	11.68	91	96850	32.48	ug/l	99
79) 2-Chlorotoluene	11.81	91	43308	26.25	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	62169	30.51	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	1284m	8.90	ug/l	
82) 4-Chlorotoluene	11.98	91	45885	26.24	ug/l	91
83) tert-Butylbenzene	12.21	119	64649	32.21	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	48632	23.43	ug/l	98
85) sec-Butylbenzene	12.38	105	95917	33.23	ug/l	94
86) p-Isopropyltoluene	12.54	119	66402	28.42	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	25417	23.41	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	22060	20.76	ug/l	95
89) n-Butylbenzene	12.92	91	50757	23.18	ug/l	97
90) Hexachloroethane	12.99	117	15073	29.21	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	18654	18.57	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	886	10.40	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	6919	10.04	ug/l	90
94) Hexachlorobutadiene	14.25	225	16395	30.94	ug/l	92
95) Naphthalene	14.52	128	5305	5.43	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.66	180	5699	8.83	ug/l	80

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

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