

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060166.D
 Acq On : 29 Aug 2018 00:04
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 8/29/2018 2:01:21 PM

Quant Time: Aug 29 02:21:27 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	78187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	84763	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	67775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	34716	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	2426	2.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	4.94%	
35) Dibromofluoromethane	4.28	113	2476	3.82	ug/l	0.01
Spiked Amount	50.000		Recovery	=	7.64%	
50) Toluene-d8	7.70	98	8335	4.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.76%	
62) 4-Bromofluorobenzene	11.50	95	3922	4.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.24%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.95	85	8568	7.50	ug/l	98
3) Chloromethane	1.07	50	3338	4.51	ug/l	97
4) Vinyl Chloride	1.12	62	2892	4.55	ug/l	99
5) Bromomethane	1.32	94	1528	3.36	ug/l	93
6) Chloroethane	1.40	64	1644	6.04	ug/l #	82
7) Trichlorofluoromethane	1.49	101	13679	9.01	ug/l	96
8) Diethyl Ether	1.68	74	459	2.21	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.85	101	5957	7.79	ug/l #	84
10) Methyl Iodide	1.92	142	2836	3.43	ug/l #	82
11) Tert butyl alcohol	2.59	59	61	1.25	ug/l #	64
12) 1,1-Dichloroethene	1.82	96	3704	6.87	ug/l #	71
13) Acrolein	2.09	56	195	7.92	ug/l #	1
14) Allyl chloride	2.18	41	2689	3.19	ug/l #	79
15) Acrylonitrile	3.04	53	531	5.38	ug/l #	83
16) Acetone	2.31	43	1906	7.82	ug/l #	67
17) Carbon Disulfide	1.84	76	11160	6.56	ug/l #	92
18) Methyl Acetate	2.42	43	1465	3.06	ug/l #	67
19) Methyl tert-butyl Ether	2.51	73	2557	1.81	ug/l	100
20) Methylene Chloride	2.28	84	3061	4.93	ug/l	91
21) trans-1,2-Dichloroethene	2.40	96	2838	4.90	ug/l #	75
22) Diisopropyl ether	2.89	45	4624	2.55	ug/l #	86
23) Vinyl Acetate	3.30	43	3688	4.09	ug/l #	82
24) 1,1-Dichloroethane	2.98	63	4954	4.14	ug/l #	90
25) 2-Butanone	4.48	43	1139	3.62	ug/l #	44
26) 2,2-Dichloropropane	3.74	77	2770	2.33	ug/l #	66
27) cis-1,2-Dichloroethene	3.61	96	1925	2.63	ug/l	88
28) Bromochloromethane	3.87	49	1283	2.74	ug/l #	50
29) Tetrahydrofuran	4.24	42	256	2.13	ug/l #	78
30) Chloroform	4.02	83	5164	3.18	ug/l	97
31) Cyclohexane	3.85	56	4409	4.57	ug/l #	89
32) 1,1,1-Trichloroethane	4.26	97	7371	4.87	ug/l #	84
36) 1,1-Dichloropropene	4.45	75	5780	6.75	ug/l	97
38) Carbon Tetrachloride	4.16	117	7187m	6.83	ug/l	
39) Methylcyclohexane	5.61	83	4898	5.86	ug/l #	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.80	78	8123	4.72	ug/l	94
41) Methacrylonitrile	4.88	41	322	1.49	ug/l #	43
42) 1,2-Dichloroethane	5.09	62	3216m	3.69	ug/l	
43) Isopropyl Acetate	7.10	43	895	1.71	ug/l #	48
44) Trichloroethene	5.67	130	3444	5.76	ug/l	82
45) 1,2-Dichloropropane	6.39	63	1571	3.38	ug/l #	1
46) Dibromomethane	6.23	93	635	1.81	ug/l #	67
47) Bromodichloromethane	6.53	83	3003	3.40	ug/l #	91
48) Methyl methacrylate	6.84	41	1039	2.96	ug/l #	42
49) 1,4-Dioxane	6.84	88	70	21.10	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	3397	7.43	ug/l #	62
52) Toluene	7.77	92	5942	4.65	ug/l	88
53) t-1,3-Dichloropropene	8.42	75	1499	1.94	ug/l #	75
54) cis-1,3-Dichloropropene	7.43	75	1904	2.22	ug/l #	90
55) 1,1,2-Trichloroethane	8.63	97	1096	2.60	ug/l	92
56) Ethyl methacrylate	8.74	69	740	1.48	ug/l #	76
57) 1,3-Dichloropropane	8.99	76	1483	2.00	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	1164	24.86	ug/l	100
59) 2-Hexanone	9.62	43	2276	6.19	ug/l	85
60) Dibromochloromethane	8.86	129	1281	2.02	ug/l	88
61) 1,2-Dibromoethane	9.13	107	867	1.76	ug/l #	47
64) Tetrachloroethene	8.30	164	4172	7.97	ug/l	86
65) Chlorobenzene	9.93	112	6901	5.33	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.06	131	1749	3.60	ug/l #	57
67) Ethyl Benzene	10.03	91	15048	6.25	ug/l #	75
68) m/p-Xylenes	10.26	106	8772	9.75	ug/l #	69
69) o-Xylene	10.82	106	4052	4.62	ug/l	99
70) Stvrene	10.89	104	5050	3.86	ug/l #	87
71) Bromoform	10.88	173	565	1.81	ug/l	95
73) Isopropylbenzene	11.23	105	16982	7.03	ug/l	96
74) N-amyl acetate	11.45	43	1307	2.27	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	11.78	83	1328	3.18	ug/l #	97
76) 1,2,3-Trichloropropane	11.88	75	995	3.00	ug/l #	68
77) Bromobenzene	11.59	156	2387	4.22	ug/l	75
78) n-propylbenzene	11.68	91	21554	7.30	ug/l	98
79) 2-Chlorotoluene	11.81	91	9798	6.00	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	12587	6.24	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	231m	1.62	ug/l	
82) 4-Chlorotoluene	11.98	91	9274	5.36	ug/l	79
83) tert-Butylbenzene	12.21	119	12806	6.45	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	10434	5.08	ug/l	93
85) sec-Butylbenzene	12.38	105	20784	7.28	ug/l	99
86) p-Isopropyltoluene	12.54	119	14611	6.32	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	6422	5.98	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	4951	4.71	ug/l	83
89) n-Butylbenzene	12.91	91	10793	4.98	ug/l	96
90) Hexachloroethane	12.99	117	3204	6.27	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	4530	4.56	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.71	75	205	2.43	ug/l #	48
93) 1,2,4-Trichlorobenzene	14.26	180	1419	2.08	ug/l #	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.25	225	3730	7.11	ug/l	94
96) 1,2,3-Trichlorobenzene	14.67	180	1239	1.94	ug/l	89

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

