

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062518\
 Data File : VF059301.D
 Acq On : 25 Jun 2018 14:50
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 6/26/2018 10:03:06 AM

Quant Time: Jun 26 08:05:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 07:57:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	280933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	435322	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	432749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	276274	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	21689	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
35) Dibromofluoromethane	4.29	113	18407	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
50) Toluene-d8	7.70	98	44173	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
62) 4-Bromofluorobenzene	11.50	95	26271	5.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	13940	4.39	ug/l	78
3) Chloromethane	1.08	50	10900	5.45	ug/l	92
4) Vinyl Chloride	1.13	62	9360	4.73	ug/l	90
5) Bromomethane	1.34	94	7303	5.41	ug/l	90
6) Chloroethane	1.42	64	4615	4.76	ug/l #	82
7) Trichlorofluoromethane	1.48	101	15138	3.91	ug/l	85
8) Diethyl Ether	1.69	74	5339	5.95	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	11711	5.35	ug/l	89
10) Methyl Iodide	1.96	142	19529	4.86	ug/l #	95
11) Tert butyl alcohol	2.68	59	8195	34.06	ug/l #	93
12) 1,1-Dichloroethene	1.84	96	8631	4.40	ug/l	96
13) Acrolein	2.08	56	4586	23.91	ug/l	100
14) Allyl chloride	2.18	41	14769	4.07	ug/l	92
15) Acrylonitrile	3.06	53	13040	26.20	ug/l	85
16) Acetone	2.32	43	32029	33.14	ug/l	98
17) Carbon Disulfide	1.83	76	22481	4.76	ug/l	98
18) Methyl Acetate	2.44	43	17285	9.49	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	33239	5.03	ug/l #	89
20) Methylene Chloride	2.26	84	23746m	11.27	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	9533	4.73	ug/l #	88
22) Diisopropyl ether	2.92	45	38034	5.04	ug/l	94
23) Vinyl Acetate	3.32	43	110645	22.90	ug/l #	95
24) 1,1-Dichloroethane	2.98	63	23505	4.83	ug/l #	93
25) 2-Butanone	4.50	43	37229	29.51	ug/l	96
26) 2,2-Dichloropropane	3.75	77	18097	5.36	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	14242	4.64	ug/l	89
28) Bromochloromethane	3.87	49	10318	5.07	ug/l	96
29) Tetrahydrofuran	4.24	42	16218	28.68	ug/l	95
30) Chloroform	4.02	83	34090	4.84	ug/l	96
31) Cyclohexane	3.85	56	15031	4.55	ug/l #	82
32) 1,1,1-Trichloroethane	4.26	97	24676	4.67	ug/l	95
36) 1,1-Dichloropropene	4.44	75	20920	4.75	ug/l #	90
37) Ethyl Acetate	4.28	43	18315	6.32	ug/l	97
38) Carbon Tetrachloride	4.17	117	25173	4.63	ug/l #	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	16424	4.14	ug/l	96
40) Benzene	4.80	78	47127	5.00	ug/l	96
41) Methacrylonitrile	4.91	41	8226	5.96	ug/l #	82
42) 1,2-Dichloroethane	5.09	62	26830	4.96	ug/l	96
43) Isopropyl Acetate	7.09	43	18268	5.24	ug/l #	97
44) Trichloroethene	5.66	130	15529	4.79	ug/l	96
45) 1,2-Dichloropropane	6.39	63	13442	4.92	ug/l	92
46) Dibromomethane	6.24	93	10659	4.54	ug/l	98
47) Bromodichloromethane	6.53	83	26686	4.77	ug/l	88
48) Methyl methacrylate	6.85	41	11551	5.18	ug/l #	75
49) 1,4-Dioxane	6.85	88	2086	159.50	ug/l #	81
51) 4-Methyl-2-Pentanone	8.40	43	73952	29.37	ug/l	91
52) Toluene	7.76	92	36098	4.95	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	25303	4.84	ug/l	92
54) cis-1,3-Dichloropropene	7.44	75	26542	4.78	ug/l	92
55) 1,1,2-Trichloroethane	8.62	97	12559	4.46	ug/l	97
56) Ethyl methacrylate	8.75	69	16556	5.11	ug/l	97
57) 1,3-Dichloropropane	8.99	76	23073	4.95	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.76	63	6307	24.51	ug/l	100
59) 2-Hexanone	9.62	43	63272	31.42	ug/l	93
60) Dibromochloromethane	8.85	129	18850	4.52	ug/l	97
61) 1,2-Dibromoethane	9.13	107	16236	4.96	ug/l	87
64) Tetrachloroethene	8.30	164	15738	4.88	ug/l	95
65) Chlorobenzene	9.93	112	45311	5.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	19275	5.11	ug/l	99
67) Ethyl Benzene	10.02	91	75589	4.99	ug/l	98
68) m/p-Xylenes	10.26	106	55676	10.28	ug/l	93
69) o-Xylene	10.82	106	30380	5.06	ug/l	100
70) Styrene	10.89	104	48365	5.31	ug/l	96
71) Bromoform	10.88	173	12422	4.64	ug/l	100
73) Isopropylbenzene	11.22	105	87508	4.75	ug/l	95
74) N-amyl acetate	11.45	43	33856	5.51	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	23800	5.39	ug/l	88
76) 1,2,3-Trichloropropane	11.88	75	18050	5.60	ug/l	86
77) Bromobenzene	11.59	156	25369	5.08	ug/l	87
78) n-propylbenzene	11.68	91	112570	5.19	ug/l	95
79) 2-Chlorotoluene	11.81	91	66742	5.11	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	76354	4.91	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	10781	5.29	ug/l #	85
82) 4-Chlorotoluene	11.98	91	72001	5.10	ug/l	97
83) tert-Butylbenzene	12.21	119	78816	5.02	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	86561	5.26	ug/l	97
85) sec-Butylbenzene	12.38	105	102106	4.84	ug/l	98
86) p-Isopropyltoluene	12.54	119	87168	5.03	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	50725	5.66	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	46807	5.31	ug/l	93
89) n-Butylbenzene	12.91	91	89771	5.10	ug/l	95
90) Hexachloroethane	12.99	117	20009	4.59	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	47764	5.32	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	4882	5.12	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	34009	5.22	ug/l	93
94) Hexachlorobutadiene	14.25	225	16801	4.41	ug/l	92
95) Naphthalene	14.52	128	67435	5.02	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	30184	4.93	ug/l	98

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

