

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060491.D
 Acq On : 9 Oct 2018 15:15
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 10/10/2018 12:33:43 PM

Quant Time: Oct 10 02:02:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 01:47:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	258155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	417593	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	368112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	215227	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	37138	9.24	ug/l	0.00
Spiked Amount			Recovery	=	18.48%	
35) Dibromofluoromethane	4.26	113	41969	10.75	ug/l	0.00
Spiked Amount			Recovery	=	21.50%	
50) Toluene-d8	7.68	98	94887	9.96	ug/l	0.00
Spiked Amount			Recovery	=	19.92%	
62) 4-Bromofluorobenzene	11.49	95	41111	9.43	ug/l	0.00
Spiked Amount			Recovery	=	18.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	58059	9.847	ug/l	96
3) Chloromethane	1.13	50	35031	10.183	ug/l	96
4) Vinyl Chloride	1.18	62	37041	10.289	ug/l #	83
5) Bromomethane	1.36	94	31750	11.405	ug/l #	79
6) Chloroethane	1.43	64	19414	10.836	ug/l #	84
7) Trichlorofluoromethane	1.54	101	81832	9.853	ug/l #	82
8) Diethyl Ether	1.69	74	11322	9.735	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.89	101	42295	10.535	ug/l	94
10) Methyl Iodide	1.96	142	62601	10.139	ug/l	93
11) Tert butyl alcohol	2.67	59	11657	48.816	ug/l #	91
12) 1,1-Dichloroethene	1.85	96	36361	11.513	ug/l	87
13) Acrolein	2.07	56	6250m	35.098	ug/l	
14) Allyl chloride	2.18	41	45359	9.195	ug/l	90
15) Acrylonitrile	3.05	53	25303	60.341	ug/l #	86
16) Acetone	2.32	43	56300	58.765	ug/l	96
17) Carbon Disulfide	1.89	76	95959	10.270	ug/l #	92
18) Methyl Acetate	2.43	43	16598	9.814	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	75163	9.897	ug/l	99
20) Methylene Chloride	2.27	84	33127m	9.421	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	30873	9.839	ug/l	85
22) Diisopropyl ether	2.91	45	106390	11.426	ug/l #	96
23) Vinyl Acetate	3.31	43	171439	47.652	ug/l	97
24) 1,1-Dichloroethane	2.98	63	72736	11.604	ug/l	97
25) 2-Butanone	4.48	43	52063	50.268	ug/l	98
26) 2,2-Dichloropropane	3.73	77	36192	10.410	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	35865	10.198	ug/l	84
28) Bromochloromethane	3.87	49	24686	11.117	ug/l	96
29) Tetrahydrofuran	4.23	42	23694	56.600	ug/l #	88
30) Chloroform	4.01	83	76745	10.158	ug/l	96
31) Cyclohexane	3.83	56	44900	10.322	ug/l	98
32) 1,1,1-Trichloroethane	4.25	97	64000	10.305	ug/l	98
36) 1,1-Dichloropropene	4.43	75	50850	9.961	ug/l	96
37) Ethyl Acetate	4.26	43	17747	9.099	ug/l #	91
38) Carbon Tetrachloride	4.15	117	51877	8.602	ug/l #	91

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39) Methylcyclohexane	5.60	83	46810	9.234	ug/l	96
40) Benzene	4.78	78	108534	10.575	ug/l	98
41) Methacrylonitrile	4.90	41	9187	8.780	ug/l #	90
42) 1,2-Dichloroethane	5.08	62	46117	9.486	ug/l	99
43) Isopropyl Acetate	7.09	43	20694	8.743	ug/l #	97
44) Trichloroethene	5.65	130	33001	10.001	ug/l	86
45) 1,2-Dichloropropane	6.38	63	24433	9.067	ug/l	90
46) Dibromomethane	6.23	93	19279	8.881	ug/l	99
47) Bromodichloromethane	6.52	83	48877	9.037	ug/l	98
48) Methyl methacrylate	6.85	41	13754	8.129	ug/l	95
49) 1,4-Dioxane	6.84	88	3188	217.956	ug/l	91
51) 4-Methyl-2-Pentanone	8.38	43	78610	46.793	ug/l	97
52) Toluene	7.76	92	65453	9.489	ug/l	96
53) t-1,3-Dichloropropene	8.40	75	36352	8.585	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	44977	9.176	ug/l	96
55) 1,1,2-Trichloroethane	8.61	97	19292	8.829	ug/l	93
56) Ethyl methacrylate	8.74	69	22831	9.230	ug/l #	69
57) 1,3-Dichloropropane	8.98	76	33673	9.135	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.75	63	11360	44.657	ug/l	100
59) 2-Hexanone	9.61	43	53190	43.262	ug/l	98
60) Dibromochloromethane	8.84	129	30535	9.311	ug/l	97
61) 1,2-Dibromoethane	9.12	107	20370	8.521	ug/l	99
64) Tetrachloroethene	8.28	164	30016	10.156	ug/l #	85
65) Chlorobenzene	9.91	112	73394	9.730	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	32588	9.870	ug/l	95
67) Ethyl Benzene	10.01	91	141086	9.815	ug/l	96
68) m/p-Xylenes	10.24	106	94730	19.264	ug/l	80
69) o-Xylene	10.81	106	49724	9.268	ug/l	89
70) Styrene	10.88	104	77088	10.122	ug/l	94
71) Bromoform	10.87	173	16108	9.192	ug/l #	96
73) Isopropylbenzene	11.21	105	163804	9.592	ug/l	96
74) N-amyl acetate	11.44	43	31589	8.150	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	26723	8.733	ug/l	88
76) 1,2,3-Trichloropropane	11.87	75	21393	9.407	ug/l	98
77) Bromobenzene	11.57	156	33784	8.866	ug/l	98
78) n-propylbenzene	11.67	91	198651	9.687	ug/l	98
79) 2-Chlorotoluene	11.80	91	111830	9.301	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	145331	10.084	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	7797m	7.842	ug/l	
82) 4-Chlorotoluene	11.97	91	115588	9.330	ug/l	97
83) tert-Butylbenzene	12.20	119	146219	10.285	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	136656	9.519	ug/l	99
85) sec-Butylbenzene	12.37	105	193817	9.854	ug/l	97
86) p-Isopropyltoluene	12.53	119	157490	9.799	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	72269	10.084	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	67328	9.550	ug/l	94
89) n-Butylbenzene	12.90	91	173034	10.213	ug/l	94
90) Hexachloroethane	12.98	117	33846	8.249	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	68064	9.904	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	5080	8.331	ug/l	91

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93) 1,2,4-Trichlorobenzene	14.25	180	55165	10.731	ug/l	97
94) Hexachlorobutadiene	14.24	225	36685	10.148	ug/l	94
95) Naphthalene	14.51	128	83538	9.101	ug/l	95
96) 1,2,3-Trichlorobenzene	14.66	180	47353	9.779	ug/l	89

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

