

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100118\
 Data File : VF060392.D
 Acq On : 1 Oct 2018 19:37
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:29:42 PM

Quant Time: Oct 02 00:35:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	266940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	433766	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	399712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	209955	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	393455	105.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	210.14%	
35) Dibromofluoromethane	4.27	113	394620	100.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	200.20%	
50) Toluene-d8	7.69	98	958908	94.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	189.48%	
62) 4-Bromofluorobenzene	11.49	95	431677	97.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	195.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	546281	106.846	ug/l	99
3) Chloromethane	1.12	50	346045	93.171	ug/l	100
4) Vinyl Chloride	1.17	62	361225	94.977	ug/l	98
5) Bromomethane	1.35	94	273548	103.703	ug/l	99
6) Chloroethane	1.42	64	178667	98.044	ug/l	99
7) Trichlorofluoromethane	1.53	101	823532	111.514	ug/l	99
8) Diethyl Ether	1.69	74	116217	99.473	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.88	101	384529	100.690	ug/l	97
10) Methyl Iodide	1.95	142	625887	102.638	ug/l	95
11) Tert butyl alcohol	2.67	59	126233	526.815	ug/l #	88
12) 1,1-Dichloroethene	1.84	96	304866	98.489	ug/l	95
13) Acrolein	2.08	56	97560	711.340	ug/l	92
14) Allyl chloride	2.18	41	548456	102.515	ug/l	93
15) Acrylonitrile	3.05	53	208049	414.364	ug/l	92
16) Acetone	2.33	43	402280	400.340	ug/l	94
17) Carbon Disulfide	1.88	76	938831	98.627	ug/l	99
18) Methyl Acetate	2.43	43	150796	87.556	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	751893	96.756	ug/l	96
20) Methylene Chloride	2.31	84	302010m	83.344	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	314335	97.810	ug/l	97
22) Diisopropyl ether	2.91	45	892017	89.117	ug/l #	93
23) Vinyl Acetate	3.31	43	1729817	437.852	ug/l #	96
24) 1,1-Dichloroethane	2.98	63	599994	90.881	ug/l	98
25) 2-Butanone	4.47	43	485076	371.042	ug/l	94
26) 2,2-Dichloropropane	3.73	77	325722	87.466	ug/l	100
27) cis-1,2-Dichloroethene	3.61	96	337965	82.607	ug/l	97
28) Bromochloromethane	3.86	49	213325	83.013	ug/l	99
29) Tetrahydrofuran	4.23	42	199519	406.029	ug/l	99
30) Chloroform	4.01	83	729781	92.141	ug/l	98
31) Cyclohexane	3.83	56	410944	75.413	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	618847	97.514	ug/l	100
36) 1,1-Dichloropropene	4.43	75	513512	94.135	ug/l	98
37) Ethyl Acetate	4.26	43	204149	90.570	ug/l #	95
38) Carbon Tetrachloride	4.14	117	641539m	104.473	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	491890	85.813	ug/l	97
40) Benzene	4.78	78	989333	82.459	ug/l	99
41) Methacrylonitrile	4.89	41	104916	86.769	ug/l	92
42) 1,2-Dichloroethane	5.09	62	494909	106.547	ug/l	98
43) Isopropyl Acetate	7.09	43	257052	94.632	ug/l	100
44) Trichloroethene	5.65	130	316306	88.003	ug/l	95
45) 1,2-Dichloropropane	6.38	63	270511	86.543	ug/l	93
46) Dibromomethane	6.23	93	219452	96.110	ug/l	91
47) Bromodichloromethane	6.52	83	545772	98.982	ug/l	99
48) Methyl methacrylate	6.85	41	179409	92.861	ug/l	97
49) 1,4-Dioxane	6.84	88	31056	1816.349	ug/l #	81
51) 4-Methyl-2-Pentanone	8.38	43	826751	405.444	ug/l	96
52) Toluene	7.76	92	671653	87.725	ug/l	94
53) t-1,3-Dichloropropene	8.41	75	417864	95.066	ug/l	100
54) cis-1,3-Dichloropropene	7.43	75	486337	88.178	ug/l	96
55) 1,1,2-Trichloroethane	8.61	97	226498	97.501	ug/l	93
56) Ethyl methacrylate	8.73	69	261222	93.004	ug/l	97
57) 1,3-Dichloropropane	8.98	76	381468	98.748	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	123548	485.305	ug/l	100
59) 2-Hexanone	9.61	43	598896	415.367	ug/l	97
60) Dibromochloromethane	8.84	129	353125	100.864	ug/l	98
61) 1,2-Dibromoethane	9.11	107	248637	95.050	ug/l	96
64) Tetrachloroethene	8.28	164	293145	82.153	ug/l	96
65) Chlorobenzene	9.92	112	792584	88.478	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.04	131	330346	87.574	ug/l	99
67) Ethyl Benzene	10.01	91	1392814	83.713	ug/l	96
68) m/p-Xylenes	10.25	106	966362	168.268	ug/l	90
69) o-Xylene	10.81	106	546357	85.006	ug/l	92
70) Styrene	10.88	104	750519	83.022	ug/l	100
71) Bromoform	10.87	173	190282	92.496	ug/l #	93
73) Isopropylbenzene	11.21	105	1512971	81.625	ug/l	96
74) N-amyl acetate	11.44	43	390894	97.345	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	292212	88.811	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	219629	92.264	ug/l	91
77) Bromobenzene	11.58	156	343979	85.900	ug/l	94
78) n-propylbenzene	11.67	91	1818192	82.603	ug/l	97
79) 2-Chlorotoluene	11.80	91	1077963	84.922	ug/l	91
80) 1,3,5-Trimethylbenzene	11.90	105	1259166	83.993	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.95	75	96449m	77.651	ug/l	
82) 4-Chlorotoluene	11.98	91	1124565	88.562	ug/l	95
83) tert-Butylbenzene	12.20	119	1270278	83.346	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	1290299	84.297	ug/l	99
85) sec-Butylbenzene	12.37	105	1742164	83.011	ug/l	99
86) p-Isopropyltoluene	12.53	119	1370529	82.053	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	638184	84.878	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	620458	83.838	ug/l	95
89) n-Butylbenzene	12.90	91	1484028	83.424	ug/l	96
90) Hexachloroethane	12.98	117	386219	90.036	ug/l	75
91) 1,2-Dichlorobenzene	13.01	146	624722	86.800	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	63571	102.044	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	474845	90.374	ug/l	96
94) Hexachlorobutadiene	14.24	225	331621	93.456	ug/l	95
95) Naphthalene	14.51	128	943596	101.687	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	461072	95.165	ug/l	96

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

