

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112618\
 Data File : VF060826.D
 Acq On : 26 Nov 2018 17:04
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
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apatel
 11/27/2018 3:16:43 PM

Quant Time: Nov 27 00:43:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 00:28:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	225087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	345861	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	325718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	177814	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.88	65	12783	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
35) Dibromofluoromethane	4.15	113	14827	5.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.10%	
50) Toluene-d8	7.58	98	41392	5.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.58%	
62) 4-Bromofluorobenzene	11.43	95	18784	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	16282	4.190	ug/l	93
3) Chloromethane	1.11	50	12376	5.188	ug/l	92
4) Vinyl Chloride	1.15	62	11162	5.145	ug/l #	73
5) Bromomethane	1.32	94	7538	5.366	ug/l #	63
6) Chloroethane	1.40	64	4681	5.514	ug/l	94
7) Trichlorofluoromethane	1.49	101	21128	4.426	ug/l	84
8) Diethyl Ether	1.64	74	3372	5.408	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.84	101	11609	5.068	ug/l	92
10) Methyl Iodide	1.93	142	15746	4.315	ug/l #	87
11) Tert butyl alcohol	2.60	59	2670	23.196	ug/l #	24
12) 1,1-Dichloroethene	1.81	96	9636	5.284	ug/l	88
13) Acrolein	2.01	56	2763	25.387	ug/l	90
14) Allyl chloride	2.11	41	11046	3.480	ug/l	95
15) Acrylonitrile	2.97	53	6072	24.693	ug/l #	87
16) Acetone	2.26	43	12948	24.609	ug/l	97
17) Carbon Disulfide	1.85	76	25273m	4.722	ug/l	
18) Methyl Acetate	2.36	43	5807	6.608	ug/l	92
19) Methyl tert-butyl Ether	2.44	73	20162	4.686	ug/l	100
20) Methylene Chloride	2.27	84	10833m	5.348	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	8142	4.384	ug/l	98
22) Diisopropyl ether	2.82	45	28071	4.572	ug/l #	91
23) Vinyl Acetate	3.21	43	62438	21.847	ug/l	97
24) 1,1-Dichloroethane	2.89	63	17368	4.627	ug/l	99
25) 2-Butanone	4.38	43	23401	26.367	ug/l #	89
26) 2,2-Dichloropropane	3.63	77	12437	4.356	ug/l	96
27) cis-1,2-Dichloroethene	3.50	96	15020	4.760	ug/l	82
28) Bromochloromethane	3.75	49	9146	4.827	ug/l #	93
29) Tetrahydrofuran	4.11	42	9619	26.230	ug/l	94
30) Chloroform	3.89	83	30499	5.193	ug/l	99
31) Cyclohexane	3.72	56	20322	4.620	ug/l #	91
32) 1,1,1-Trichloroethane	4.12	97	18608	4.036	ug/l #	86
36) 1,1-Dichloropropene	4.32	75	21040	5.272	ug/l	94
37) Ethyl Acetate	4.14	43	8782	5.832	ug/l #	88
38) Carbon Tetrachloride	4.02	117	17413	4.486	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	21573	4.742	ug/l	93
40) Benzene	4.66	78	47209	5.320	ug/l	99
41) Methacrylonitrile	4.78	41	5768	6.396	ug/l #	75
42) 1,2-Dichloroethane	4.97	62	15610	4.989	ug/l	97
43) Isopropyl Acetate	6.97	43	14062	6.999	ug/l #	78
44) Trichloroethene	5.53	130	15331	5.411	ug/l	93
45) 1,2-Dichloropropane	6.27	63	10319	4.391	ug/l #	72
46) Dibromomethane	6.12	93	7440	4.831	ug/l	95
47) Bromodichloromethane	6.42	83	20491	5.219	ug/l	97
48) Methyl methacrylate	6.74	41	7712	5.737	ug/l	93
49) 1,4-Dioxane	6.73	88	951	77.524	ug/l #	71
51) 4-Methyl-2-Pentanone	8.29	43	37888	26.349	ug/l	99
52) Toluene	7.65	92	33510	5.626	ug/l	91
53) t-1,3-Dichloropropene	8.31	75	18247	5.732	ug/l	98
54) cis-1,3-Dichloropropene	7.34	75	19083	4.585	ug/l	90
55) 1,1,2-Trichloroethane	8.52	97	9768	5.686	ug/l	92
56) Ethyl methacrylate	8.65	69	9384	4.758	ug/l	95
57) 1,3-Dichloropropane	8.89	76	14516	4.792	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.32	63	5017	27.991	ug/l #	80
59) 2-Hexanone	9.53	43	27959	27.524	ug/l	89
60) Dibromochloromethane	8.75	129	13064	5.260	ug/l	96
61) 1,2-Dibromoethane	9.01	107	9154	5.049	ug/l	99
64) Tetrachloroethene	8.18	164	14074	5.626	ug/l	95
65) Chlorobenzene	9.82	112	33808	5.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	14326	5.119	ug/l	92
67) Ethyl Benzene	9.93	91	64810	5.295	ug/l	99
68) m/p-Xylenes	10.16	106	48307	11.082	ug/l	90
69) o-Xylene	10.74	106	25127	5.147	ug/l	83
70) Styrene	10.82	104	34756	5.214	ug/l	99
71) Bromoform	10.80	173	6108	4.804	ug/l	93
73) Isopropylbenzene	11.14	105	76789	5.389	ug/l	97
74) N-amyl acetate	11.39	43	16015	4.871	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.72	83	11197	4.769	ug/l	88
76) 1,2,3-Trichloropropane	11.81	75	9235	5.234	ug/l	91
77) Bromobenzene	11.52	156	15941	5.279	ug/l	80
78) n-propylbenzene	11.62	91	94179	5.594	ug/l	99
79) 2-Chlorotoluene	11.75	91	52975	5.475	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	63991	5.631	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.89	75	4750m	5.552	ug/l	
82) 4-Chlorotoluene	11.92	91	58846	5.919	ug/l	100
83) tert-Butylbenzene	12.15	119	67120	5.647	ug/l	96
84) 1,2,4-Trimethylbenzene	12.23	105	64789	5.502	ug/l	99
85) sec-Butylbenzene	12.33	105	90476	5.566	ug/l	100
86) p-Isopropyltoluene	12.49	119	79354	5.880	ug/l	99
87) 1,3-Dichlorobenzene	12.50	146	34465	5.816	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	31650	5.575	ug/l	99
89) n-Butylbenzene	12.86	91	77311	5.527	ug/l	97
90) Hexachloroethane	12.94	117	17554	5.310	ug/l	96
91) 1,2-Dichlorobenzene	12.96	146	31152	5.546	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.66	75	2330	5.284	ug/l	53

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	20884	5.252	ug/l	93
94) Hexachlorobutadiene	14.21	225	14394	5.580	ug/l	97
95) Naphthalene	14.48	128	56357	7.749	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	18656	5.121	ug/l	98

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

