

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102518\
 Data File : VF060505.D
 Acq On : 25 Oct 2018 13:39
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 10/26/2018 10:27:34 AM

Quant Time: Oct 26 00:56:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 00:30:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	174459	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	248564	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	234461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	158089	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	20151	7.62	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	15.24%	
35) Dibromofluoromethane	4.28	113	17113	7.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.96%	
50) Toluene-d8	7.70	98	30016	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	
62) 4-Bromofluorobenzene	11.50	95	19632	8.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	25932	7.565	ug/l	91
3) Chloromethane	1.12	50	11556	5.449	ug/l #	59
4) Vinyl Chloride	1.18	62	13544	5.887	ug/l #	67
5) Bromomethane	1.35	94	14697	8.124	ug/l	93
6) Chloroethane	1.42	64	8947	7.357	ug/l	92
7) Trichlorofluoromethane	1.53	101	43282	8.394	ug/l	94
8) Diethyl Ether	1.69	74	4537	6.149	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.87	101	19527	7.570	ug/l #	86
10) Methyl Iodide	1.95	142	27714m	6.777	ug/l	
11) Tert butyl alcohol	2.66	59	5544	39.990	ug/l	98
12) 1,1-Dichloroethene	1.84	96	13954	6.476	ug/l #	56
13) Acrolein	2.07	56	4187	48.741	ug/l	84
14) Allyl chloride	2.17	41	22124	6.966	ug/l #	62
15) Acrylonitrile	3.05	53	8128	27.849	ug/l #	77
16) Acetone	2.32	43	22840	39.396	ug/l	99
17) Carbon Disulfide	1.85	76	40646m	6.784	ug/l	
18) Methyl Acetate	2.43	43	6782	6.172	ug/l #	91
19) Methyl tert-butyl Ether	2.52	73	34219	7.055	ug/l	93
20) Methylene Chloride	2.26	84	17485m	8.688	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	12544	6.238	ug/l	91
22) Diisopropyl ether	2.90	45	39176	6.001	ug/l	94
23) Vinyl Acetate	3.31	43	54987	24.061	ug/l	97
24) 1,1-Dichloroethane	2.98	63	28533	6.513	ug/l #	95
25) 2-Butanone	4.49	43	17749m	28.124	ug/l	
26) 2,2-Dichloropropane	3.74	77	19927	8.723	ug/l	89
27) cis-1,2-Dichloroethene	3.61	96	11334	4.828	ug/l	95
28) Bromochloromethane	3.85	49	9391	6.171	ug/l	89
29) Tetrahydrofuran	4.24	42	8446	31.748	ug/l	96
30) Chloroform	4.01	83	34581	6.821	ug/l	92
31) Cyclohexane	3.84	56	15565	5.553	ug/l	93
32) 1,1,1-Trichloroethane	4.25	97	30822	7.717	ug/l	97
36) 1,1-Dichloropropene	4.43	75	21629	7.481	ug/l #	85
37) Ethyl Acetate	4.28	43	7577	7.419	ug/l #	34
38) Carbon Tetrachloride	4.15	117	32013	11.023	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.61	83	17473	6.419	ug/l	83
40) Benzene	4.79	78	34673	5.841	ug/l	95
41) Methacrylonitrile	4.90	41	3700	6.376	ug/l #	88
42) 1,2-Dichloroethane	5.11	62	20335	7.551	ug/l	96
43) Isopropyl Acetate	7.10	43	7146	5.614	ug/l #	86
44) Trichloroethene	5.67	130	12348	6.677	ug/l	83
45) 1,2-Dichloropropane	6.38	63	7896	5.434	ug/l	94
46) Dibromomethane	6.24	93	7454	6.395	ug/l #	84
47) Bromodichloromethane	6.54	83	20979	7.126	ug/l	93
48) Methyl methacrylate	6.87	41	4759	5.519	ug/l	87
49) 1,4-Dioxane	6.85	88	870	117.369	ug/l #	28
51) 4-Methyl-2-Pentanone	8.40	43	26507	29.853	ug/l	90
52) Toluene	7.77	92	22022	5.890	ug/l	77
53) t-1,3-Dichloropropene	8.42	75	16364	7.157	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	15233	5.720	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	6492	5.650	ug/l #	90
56) Ethyl methacrylate	8.75	69	6401	4.815	ug/l	97
57) 1,3-Dichloropropane	8.99	76	10817	5.467	ug/l #	77
58) 2-Chloroethyl Vinyl ether	7.77	63	5150	38.122	ug/l	100
59) 2-Hexanone	9.62	43	21176	32.971	ug/l	92
60) Dibromochloromethane	8.85	129	11359	6.298	ug/l	69
61) 1,2-Dibromoethane	9.12	107	7475	5.758	ug/l	87
64) Tetrachloroethene	8.29	164	11463	6.169	ug/l	93
65) Chlorobenzene	9.94	112	26763	5.878	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	12443	6.067	ug/l	79
67) Ethyl Benzene	10.03	91	55831	6.499	ug/l	97
68) m/p-Xylenes	10.26	106	33138	11.300	ug/l	100
69) o-Xylene	10.82	106	19187	6.016	ug/l	97
70) Styrene	10.90	104	26753	5.828	ug/l	93
71) Bromoform	10.88	173	7175	6.900	ug/l #	96
73) Isopropylbenzene	11.23	105	63620	5.414	ug/l	92
74) N-amyl acetate	11.46	43	12376	4.839	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	9473	4.796	ug/l	75
76) 1,2,3-Trichloropropane	11.88	75	8841	5.790	ug/l	85
77) Bromobenzene	11.59	156	13171	5.044	ug/l	93
78) n-propylbenzene	11.68	91	78411	5.603	ug/l	100
79) 2-Chlorotoluene	11.81	91	48548	5.925	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	60333	6.120	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.95	75	3166m	4.756	ug/l	
82) 4-Chlorotoluene	11.99	91	53168	6.290	ug/l	95
83) tert-Butylbenzene	12.21	119	55058	5.556	ug/l	90
84) 1,2,4-Trimethylbenzene	12.28	105	59334	5.928	ug/l	98
85) sec-Butylbenzene	12.38	105	79793	5.937	ug/l	96
86) p-Isopropyltoluene	12.54	119	68493	6.207	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	29817	5.994	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	28279	5.862	ug/l	94
89) n-Butylbenzene	12.91	91	74424	6.446	ug/l	98
90) Hexachloroethane	12.99	117	17395	6.593	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	29287	6.116	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	2323	5.541	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	23571	6.374	ug/l	92
94) Hexachlorobutadiene	14.25	225	17068	6.789	ug/l	92
95) Naphthalene	14.52	128	31187	4.906	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	20352	5.907	ug/l	91

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

