

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110218\
 Data File : VF060564.D
 Acq On : 2 Nov 2018 16:49
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 3:55:39 PM

Quant Time: Nov 03 04:08:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 04:25:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	261389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	435316	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	372669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	216124	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	14567	3.82	ug/l	0.00
Spiked Amount			Recovery	=	7.64%	
35) Dibromofluoromethane	4.12	113	17998	4.40	ug/l	0.01
Spiked Amount			Recovery	=	8.80%	
50) Toluene-d8	7.55	98	55832	5.54	ug/l	0.00
Spiked Amount			Recovery	=	11.08%	
62) 4-Bromofluorobenzene	11.42	95	24110	5.23	ug/l	0.00
Spiked Amount			Recovery	=	10.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	17649	3.626	ug/l	93
3) Chloromethane	1.11	50	12469	4.251	ug/l	91
4) Vinyl Chloride	1.15	62	11022	3.648	ug/l #	83
5) Bromomethane	1.34	94	7274	3.175	ug/l	99
6) Chloroethane	1.39	64	5804	3.770	ug/l #	86
7) Trichlorofluoromethane	1.49	101	21455m	3.047	ug/l	
8) Diethyl Ether	1.63	74	4369	4.777	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.83	101	12792	3.650	ug/l	86
10) Methyl Iodide	1.89	142	20704	3.786	ug/l #	92
11) Tert butyl alcohol	2.57	59	4882	26.714	ug/l #	8
12) 1,1-Dichloroethene	1.79	96	11545	4.091	ug/l	89
13) Acrolein	2.01	56	4266	27.214	ug/l #	76
14) Allyl chloride	2.10	41	14728	3.250	ug/l #	92
15) Acrylonitrile	2.95	53	8830	22.493	ug/l #	86
16) Acetone	2.25	43	17824	21.488	ug/l	93
17) Carbon Disulfide	1.84	76	30278	3.847	ug/l	97
18) Methyl Acetate	2.35	43	7162	5.935	ug/l #	87
19) Methyl tert-butyl Ether	2.43	73	25537	4.124	ug/l #	76
20) Methylene Chloride	2.24	84	20952m	7.097	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	10628	3.678	ug/l	93
22) Diisopropyl ether	2.81	45	37388	4.554	ug/l #	87
23) Vinyl Acetate	3.19	43	109444	33.821	ug/l	96
24) 1,1-Dichloroethane	2.88	63	20281	3.452	ug/l #	92
25) 2-Butanone	4.35	43	55713	46.076	ug/l	97
26) 2,2-Dichloropropane	3.61	77	17437	4.807	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	22018	6.036	ug/l	93
28) Bromochloromethane	3.72	49	13183	5.911	ug/l	97
29) Tetrahydrofuran	4.09	42	16956	45.223	ug/l	98
30) Chloroform	3.86	83	32549	4.348	ug/l	93
31) Cyclohexane	3.70	56	28254	6.239	ug/l #	87
32) 1,1,1-Trichloroethane	4.09	97	22301	3.683	ug/l #	90
36) 1,1-Dichloropropene	4.28	75	26127	4.896	ug/l #	93
37) Ethyl Acetate	4.12	43	13030	7.150	ug/l #	73
38) Carbon Tetrachloride	3.99	117	22778	3.736	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	33347	5.956	ug/l	89
40) Benzene	4.63	78	63454	5.818	ug/l	95
41) Methacrylonitrile	4.75	41	7994	7.660	ug/l #	87
42) 1,2-Dichloroethane	4.95	62	17823	3.790	ug/l	98
43) Isopropyl Acetate	6.96	43	17014	7.826	ug/l #	89
44) Trichloroethene	5.50	130	19612	5.594	ug/l	90
45) 1,2-Dichloropropane	6.23	63	17108	6.279	ug/l #	83
46) Dibromomethane	6.09	93	10342	5.031	ug/l	92
47) Bromodichloromethane	6.39	83	24677	4.738	ug/l	94
48) Methyl methacrylate	6.72	41	10251	6.977	ug/l	90
49) 1,4-Dioxane	6.70	88	1764	123.046	ug/l #	1
51) 4-Methyl-2-Pentanone	8.26	43	57320	36.577	ug/l	93
52) Toluene	7.63	92	41935	5.991	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	22741	5.548	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	27033	5.443	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	12646	6.162	ug/l	94
56) Ethyl methacrylate	8.62	69	17140	7.377	ug/l #	90
57) 1,3-Dichloropropane	8.85	76	22780	6.554	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.63	63	6448	27.617	ug/l	100
59) 2-Hexanone	9.50	43	48655	42.865	ug/l	98
60) Dibromochloromethane	8.72	129	17655	5.408	ug/l	95
61) 1,2-Dibromoethane	8.99	107	12748	5.390	ug/l	99
64) Tetrachloroethene	8.15	164	16221	5.231	ug/l	95
65) Chlorobenzene	9.80	112	42217	5.665	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	19067	5.631	ug/l	94
67) Ethyl Benzene	9.90	91	84043	5.924	ug/l	98
68) m/p-Xylenes	10.14	106	62441	12.741	ug/l	97
69) o-Xylene	10.72	106	32678	5.945	ug/l	93
70) Styrene	10.79	104	48870	6.282	ug/l	94
71) Bromoform	10.78	173	9108	5.282	ug/l #	96
73) Isopropylbenzene	11.12	105	95483	5.712	ug/l	98
74) N-amyl acetate	11.37	43	33493	9.564	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.70	83	16385	5.857	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	8290	4.316	ug/l	82
77) Bromobenzene	11.50	156	21124	5.774	ug/l	97
78) n-propylbenzene	11.60	91	120842	6.134	ug/l	98
79) 2-Chlorotoluene	11.72	91	64880	5.531	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	85364	5.986	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.87	75	7089m	7.560	ug/l	
82) 4-Chlorotoluene	11.90	91	71424	5.898	ug/l	98
83) tert-Butylbenzene	12.14	119	83882	5.987	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	82242	5.677	ug/l	96
85) sec-Butylbenzene	12.31	105	115843	5.898	ug/l	97
86) p-Isopropyltoluene	12.46	119	91872	5.704	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	43064	5.890	ug/l	93
88) 1,4-Dichlorobenzene	12.57	146	39246	5.680	ug/l	93
89) n-Butylbenzene	12.85	91	96721	5.728	ug/l	93
90) Hexachloroethane	12.92	117	22956	5.530	ug/l	77
91) 1,2-Dichlorobenzene	12.95	146	39157	5.710	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	2664	4.703	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	27059	5.332	ug/l	87
94) Hexachlorobutadiene	14.20	225	17470	4.919	ug/l	94
95) Naphthalene	14.47	128	53699	5.949	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	25295	5.251	ug/l	96

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

