

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067099.D
 Acq On : 06 Oct 2020 11:16
 Operator : VA/SY
 Sample : VD1006SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:10:05 PM

Quant Time: Oct 07 01:29:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	640145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	588813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291210	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	192078	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	7.91	113	206251	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.34	98	774381	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.63	95	265639	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	88115	22.996	ug/l	96
3) Chloromethane	2.20	50	61619	18.149	ug/l	99
4) Vinyl Chloride	2.35	62	62257	18.287	ug/l	98
5) Bromomethane	2.76	94	46222	18.320	ug/l	98
6) Chloroethane	2.91	64	37186	17.936	ug/l	94
7) Trichlorofluoromethane	3.27	101	148464	19.629	ug/l	99
8) Diethyl Ether	3.71	74	34013	18.134	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	82673	19.338	ug/l	96
10) Methyl Iodide	4.30	142	72776	17.520	ug/l	99
11) Tert butyl alcohol	5.21	59	28339	85.853	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	76221	18.966	ug/l #	86
13) Acrolein	3.92	56	23464	85.336	ug/l	92
14) Allyl chloride	4.71	41	91444	17.515	ug/l	95
15) Acrylonitrile	5.43	53	59347	85.972	ug/l	97
16) Acetone	4.16	43	60173	95.994	ug/l	97
17) Carbon Disulfide	4.40	76	234653	19.025	ug/l	99
18) Methyl Acetate	4.72	43	28097	17.834	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	141232	19.251	ug/l	100
20) Methylene Chloride	4.97	84	100464	17.917	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	90228	19.728	ug/l	94
22) Diisopropyl ether	6.37	45	178851	18.764	ug/l	96
23) Vinyl Acetate	6.30	43	480661	88.993	ug/l	97
24) 1,1-Dichloroethane	6.27	63	139136	18.915	ug/l	97
25) 2-Butanone	7.21	43	75298	84.727	ug/l	93
26) 2,2-Dichloropropane	7.21	77	132419	18.449	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	94051	19.254	ug/l	97
28) Bromochloromethane	7.54	49	50146	17.652	ug/l	91
29) Tetrahydrofuran	7.56	42	45694	89.420	ug/l	96
30) Chloroform	7.71	83	153090	19.185	ug/l	93
31) Cyclohexane	7.98	56	111171	18.027	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	144215	19.501	ug/l	99
36) 1,1-Dichloropropene	8.11	75	118394	19.842	ug/l	98
37) Ethyl Acetate	7.29	43	35347	17.100	ug/l #	95
38) Carbon Tetrachloride	8.10	117	134458	20.827	ug/l	97

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Quant Time: Oct 07 01:29:58 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	123463	19.571	ug/l	99
40) Benzene	8.35	78	327705	19.773	ug/l	93
41) Methacrylonitrile	7.53	41	21583	19.327	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	90854	19.618	ug/l	99
43) Isopropyl Acetate	8.45	43	68335	17.945	ug/l	97
44) Trichloroethene	9.11	130	100680	20.344	ug/l	89
45) 1,2-Dichloropropane	9.38	63	78984	20.283	ug/l	95
46) Dibromomethane	9.48	93	45129	20.164	ug/l	98
47) Bromodichloromethane	9.66	83	120583	20.726	ug/l	95
48) Methyl methacrylate	9.46	41	34111	17.485	ug/l	86
49) 1,4-Dioxane	9.46	88	9008	385.634	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	178596	94.158	ug/l	99
52) Toluene	10.40	92	223226	20.909	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	103388	19.884	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	125593	19.780	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	63832	20.514	ug/l	96
56) Ethyl methacrylate	10.66	69	63270	19.694	ug/l	98
57) 1,3-Dichloropropane	10.94	76	103454	20.502	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	181060	101.259	ug/l	96
59) 2-Hexanone	10.98	43	119572	94.450	ug/l	98
60) Dibromochloromethane	11.14	129	87050	20.989	ug/l	97
61) 1,2-Dibromoethane	11.25	107	61715	20.644	ug/l	97
64) Tetrachloroethene	10.87	164	89461	20.899	ug/l	94
65) Chlorobenzene	11.67	112	234567	20.030	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	94608	21.238	ug/l	98
67) Ethyl Benzene	11.74	91	410463	20.456	ug/l	100
68) m/p-Xylenes	11.86	106	325992	41.689	ug/l	100
69) o-Xylene	12.18	106	144411	20.651	ug/l	96
70) Styrene	12.20	104	254170	21.167	ug/l	100
71) Bromoform	12.37	173	49128	21.246	ug/l #	97
73) Isopropylbenzene	12.48	105	404056	20.434	ug/l	100
74) N-amyl acetate	12.28	43	65049	18.300	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	64757	19.437	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	52794m	20.813	ug/l	
77) Bromobenzene	12.76	156	98240	20.576	ug/l	96
78) n-propylbenzene	12.82	91	469644	20.097	ug/l	99
79) 2-Chlorotoluene	12.91	91	267306	19.992	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	346949	20.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19994	19.652	ug/l	97
82) 4-Chlorotoluene	13.01	91	289535	20.353	ug/l	99
83) tert-Butylbenzene	13.23	119	282082	20.051	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	347900	20.867	ug/l	98
85) sec-Butylbenzene	13.41	105	402510	20.317	ug/l	100
86) p-Isopropyltoluene	13.52	119	382198	20.808	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	193351	20.790	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	190766	20.515	ug/l	99
89) n-Butylbenzene	13.85	91	334529	19.928	ug/l	99
90) Hexachloroethane	14.11	117	62531	19.435	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	164612	20.267	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9806	18.259	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110346	21.004	ug/l	99
94) Hexachlorobutadiene	15.28	225	66247	20.532	ug/l	100
95) Naphthalene	15.41	128	174035	19.861	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	91015	19.957	ug/l	95

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

