

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065307.D
 Acq On : 25 Feb 2020 13:13
 Operator : VA/SY
 Sample : VD0225SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 10:25:42 AM

Quant Time: Feb 25 23:47:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	486012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	728830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	659302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	324324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	212437	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	7.92	113	226968	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.34	98	882905	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.64	95	278604	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74711	18.328	ug/l	99
3) Chloromethane	2.21	50	99354	19.149	ug/l	99
4) Vinyl Chloride	2.35	62	98527	18.675	ug/l	94
5) Bromomethane	2.76	94	60029	18.818	ug/l	98
6) Chloroethane	2.92	64	62402	19.377	ug/l	98
7) Trichlorofluoromethane	3.27	101	149318	19.768	ug/l	99
8) Diethyl Ether	3.71	74	46492	20.391	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95555	20.032	ug/l	98
10) Methyl Iodide	4.29	142	95329	19.248	ug/l	98
11) Tert butyl alcohol	5.26	59	25512	97.647	ug/l	99
12) 1,1-Dichloroethene	4.06	96	90765	20.143	ug/l	96
13) Acrolein	3.93	56	40257	109.331	ug/l	98
14) Allyl chloride	4.70	41	147824	20.202	ug/l	98
15) Acrylonitrile	5.43	53	103217	102.249	ug/l	100
16) Acetone	4.16	43	97918	91.617	ug/l	96
17) Carbon Disulfide	4.40	76	297843	19.715	ug/l	99
18) Methyl Acetate	4.73	43	53486	22.251	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	189424	20.159	ug/l	99
20) Methylene Chloride	4.96	84	112560	20.982	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	104016	20.305	ug/l	97
22) Diisopropyl ether	6.37	45	293835	20.830	ug/l	96
23) Vinyl Acetate	6.31	43	768244	98.787	ug/l	100
24) 1,1-Dichloroethane	6.27	63	181488	20.742	ug/l	98
25) 2-Butanone	7.22	43	126842	93.801	ug/l	94
26) 2,2-Dichloropropane	7.21	77	153231	20.185	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110168	20.303	ug/l	99
28) Bromochloromethane	7.55	49	59475	18.322	ug/l	99
29) Tetrahydrofuran	7.57	42	81279	102.585	ug/l	97
30) Chloroform	7.71	83	183873	20.859	ug/l	97
31) Cyclohexane	7.98	56	171734	19.977	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	162573	20.613	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142920	20.154	ug/l	99
37) Ethyl Acetate	7.30	43	58585	19.762	ug/l	100
38) Carbon Tetrachloride	8.10	117	149920	20.767	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164986	19.789	ug/l	99
40) Benzene	8.36	78	412352	20.600	ug/l	99
41) Methacrylonitrile	7.53	41	35731	20.874	ug/l #	65
42) 1,2-Dichloroethane	8.43	62	111040	20.179	ug/l	99
43) Isopropyl Acetate	8.46	43	106065	19.674	ug/l	98
44) Trichloroethene	9.12	130	115562	20.828	ug/l	94
45) 1,2-Dichloropropane	9.39	63	103273	20.749	ug/l	95
46) Dibromomethane	9.48	93	53168	20.761	ug/l	99
47) Bromodichloromethane	9.67	83	138599	20.537	ug/l	98
48) Methyl methacrylate	9.46	41	50709	20.350	ug/l	97
49) 1,4-Dioxane	9.47	88	12926	430.355	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	279453	102.058	ug/l	98
52) Toluene	10.41	92	266022	21.471	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	127656	20.407	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	155534	20.590	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	76614	21.255	ug/l	95
56) Ethyl methacrylate	10.67	69	84066	20.206	ug/l	96
57) 1,3-Dichloropropane	10.95	76	125468	20.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	127347	97.089	ug/l	99
59) 2-Hexanone	10.99	43	188094	95.962	ug/l	97
60) Dibromochloromethane	11.14	129	94688	20.524	ug/l	98
61) 1,2-Dibromoethane	11.25	107	71155	20.849	ug/l	100
64) Tetrachloroethene	10.88	164	98983	21.168	ug/l	96
65) Chlorobenzene	11.67	112	277171	20.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	101254	20.508	ug/l	98
67) Ethyl Benzene	11.75	91	478641	20.656	ug/l	99
68) m/p-Xylenes	11.86	106	379588	42.817	ug/l	99
69) o-Xylene	12.18	106	164490	20.943	ug/l	99
70) Styrene	12.20	104	293494	21.047	ug/l	99
71) Bromoform	12.37	173	57173	20.868	ug/l #	99
73) Isopropylbenzene	12.48	105	451756	21.040	ug/l	99
74) N-amyl acetate	12.30	43	93849	19.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	82265	21.229	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	52504m	19.027	ug/l	
77) Bromobenzene	12.77	156	111408	20.895	ug/l	98
78) n-propylbenzene	12.83	91	547943	21.236	ug/l	100
79) 2-Chlorotoluene	12.91	91	301472	20.856	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	380881	21.537	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24675	19.307	ug/l	98
82) 4-Chlorotoluene	13.01	91	321977	20.981	ug/l	100
83) tert-Butylbenzene	13.23	119	307942	20.776	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	369449	20.872	ug/l	99
85) sec-Butylbenzene	13.41	105	443713	20.775	ug/l	100
86) p-Isopropyltoluene	13.53	119	405644	20.769	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	211711	20.539	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	210324	20.675	ug/l	98
89) n-Butylbenzene	13.86	91	374370	20.801	ug/l	99
90) Hexachloroethane	14.12	117	81137	20.459	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	186446	21.066	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11607	19.436	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	119807	20.695	ug/l	97
94) Hexachlorobutadiene	15.28	225	77390	20.839	ug/l	100
95) Naphthalene	15.41	128	191377	20.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105984	20.962	ug/l	99

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

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