

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067264.D
 Acq On : 14 Oct 2020 12:05
 Operator : VA/SY
 Sample : VD1014SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:18:46 PM

Quant Time: Oct 15 06:27:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	336224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	508927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	479106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	169500	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	7.91	113	177503	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
50) Toluene-d8	10.34	98	647255	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
62) 4-Bromofluorobenzene	12.64	95	228352	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	62688	20.662	ug/l	92
3) Chloromethane	2.21	50	43042	20.341	ug/l	98
4) Vinyl Chloride	2.35	62	45697	19.682	ug/l	99
5) Bromomethane	2.76	94	35807	20.790	ug/l	94
6) Chloroethane	2.92	64	29689	20.533	ug/l	97
7) Trichlorofluoromethane	3.27	101	118421	20.256	ug/l	95
8) Diethyl Ether	3.71	74	27435	20.508	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	62132	20.003	ug/l	97
10) Methyl Iodide	4.30	142	56371	19.674	ug/l	98
11) Tert butyl alcohol	5.22	59	22411m	100.746	ug/l	
12) 1,1-Dichloroethene	4.06	96	52975	19.091	ug/l	94
13) Acrolein	3.93	56	14540	87.629	ug/l	99
14) Allyl chloride	4.72	41	62449	19.652	ug/l	97
15) Acrylonitrile	5.42	53	46459	104.079	ug/l #	87
16) Acetone	4.16	43	46884	99.382	ug/l	90
17) Carbon Disulfide	4.40	76	159565	20.171	ug/l	98
18) Methyl Acetate	4.73	43	22042	20.485	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	107618	19.504	ug/l	93
20) Methylene Chloride	4.97	84	67731	19.693	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	63226	19.800	ug/l	97
22) Diisopropyl ether	6.37	45	124636	21.470	ug/l	96
23) Vinyl Acetate	6.31	43	342027	103.562	ug/l	99
24) 1,1-Dichloroethane	6.27	63	102548	20.637	ug/l	98
25) 2-Butanone	7.21	43	55728	103.632	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	104369	20.377	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	70439	20.127	ug/l	97
28) Bromochloromethane	7.55	49	34305	20.240	ug/l #	97
29) Tetrahydrofuran	7.57	42	31859	106.579	ug/l	97
30) Chloroform	7.71	83	123473	20.800	ug/l	94
31) Cyclohexane	7.99	56	77958	20.094	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	116262	19.961	ug/l	96
36) 1,1-Dichloropropene	8.11	75	89645	20.782	ug/l	98
37) Ethyl Acetate	7.29	43	23741	18.707	ug/l	99
38) Carbon Tetrachloride	8.10	117	110713	20.082	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	90748	20.124	ug/l	96
40) Benzene	8.36	78	245323	20.731	ug/l	98
41) Methacrylonitrile	7.54	41	16653	24.282	ug/l #	8
42) 1,2-Dichloroethane	8.43	62	73634	19.883	ug/l	99
43) Isopropyl Acetate	8.46	43	51802	20.571	ug/l	99
44) Trichloroethene	9.11	130	78019	20.592	ug/l	96
45) 1,2-Dichloropropane	9.39	63	56148	20.473	ug/l	98
46) Dibromomethane	9.48	93	35926	21.025	ug/l	94
47) Bromodichloromethane	9.66	83	94637	20.672	ug/l	98
48) Methyl methacrylate	9.46	41	24975	20.408	ug/l	92
49) 1,4-Dioxane	9.46	88	7366	428.085	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	131046	104.334	ug/l	97
52) Toluene	10.41	92	172313	21.379	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	85158	21.175	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	97482	20.712	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	48803	20.945	ug/l	94
56) Ethyl methacrylate	10.67	69	48965	20.262	ug/l	99
57) 1,3-Dichloropropane	10.95	76	77240	20.830	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	126692	102.196	ug/l	98
59) 2-Hexanone	10.99	43	87531	101.985	ug/l	98
60) Dibromochloromethane	11.14	129	71313	20.986	ug/l	99
61) 1,2-Dibromoethane	11.25	107	47301	20.591	ug/l	99
64) Tetrachloroethene	10.88	164	68893	19.847	ug/l	97
65) Chlorobenzene	11.68	112	182388	19.852	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	75724	20.738	ug/l	99
67) Ethyl Benzene	11.75	91	321186	20.394	ug/l	99
68) m/p-Xylenes	11.86	106	249375	41.119	ug/l	100
69) o-Xylene	12.18	106	114593	20.405	ug/l	94
70) Styrene	12.20	104	205004	21.206	ug/l	98
71) Bromoform	12.37	173	40926	20.863	ug/l #	100
73) Isopropylbenzene	12.48	105	318352	21.380	ug/l	99
74) N-amyl acetate	12.29	43	45363	20.171	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	47815	20.957	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	38273m	23.537	ug/l	
77) Bromobenzene	12.77	156	79362	21.378	ug/l	99
78) n-propylbenzene	12.83	91	368363	21.352	ug/l	98
79) 2-Chlorotoluene	12.91	91	212535	21.243	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	282045	21.797	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15464	21.566	ug/l	96
82) 4-Chlorotoluene	13.01	91	228263	21.496	ug/l	100
83) tert-Butylbenzene	13.23	119	233250	21.340	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	276898	21.651	ug/l	99
85) sec-Butylbenzene	13.41	105	320203	21.350	ug/l	99
86) p-Isopropyltoluene	13.53	119	301385	21.290	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	154945	21.685	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	151553	21.408	ug/l	99
89) n-Butylbenzene	13.85	91	261646	21.010	ug/l	99
90) Hexachloroethane	14.12	117	50521	20.451	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	133662	21.413	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8938	21.564	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	87535	20.799	ug/l	98
94) Hexachlorobutadiene	15.28	225	56761	21.719	ug/l	95
95) Naphthalene	15.41	128	141533	20.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	77393	21.286	ug/l	97

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

