

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064020.D
 Acq On : 23 Oct 2019 14:53
 Operator : VA/SY
 Sample : VD1023SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:53:23 PM

Quant Time: Oct 24 06:39:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	166591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	261566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	257680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	84954	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
35) Dibromofluoromethane	7.92	113	86515	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
50) Toluene-d8	10.34	98	359149	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
62) 4-Bromofluorobenzene	12.64	95	120018	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	21554	18.244	ug/l	86
3) Chloromethane	2.21	50	72741	20.181	ug/l	97
4) Vinyl Chloride	2.35	62	85960	22.512	ug/l	99
5) Bromomethane	2.76	94	53321	21.721	ug/l	96
6) Chloroethane	2.92	64	56808	22.496	ug/l	98
7) Trichlorofluoromethane	3.27	101	123841	24.530	ug/l	98
8) Diethyl Ether	3.71	74	18017	22.235	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	31710	22.691	ug/l	92
10) Methyl Iodide	4.29	142	35420	18.394	ug/l	99
11) Tert butyl alcohol	5.24	59	11070	93.217	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	29317	20.998	ug/l	81
13) Acrolein	3.93	56	12341	85.194	ug/l	97
14) Allyl chloride	4.70	41	48179	20.756	ug/l	95
15) Acrylonitrile	5.43	53	39487	110.529	ug/l	95
16) Acetone	4.16	43	41744	98.857	ug/l	96
17) Carbon Disulfide	4.40	76	91642	18.057	ug/l #	95
18) Methyl Acetate	4.73	43	21039	25.474	ug/l #	79
19) Methyl tert-butyl Ether	5.48	73	71255	19.709	ug/l	100
20) Methylene Chloride	4.97	84	43474	21.486	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	36485	20.992	ug/l	98
22) Diisopropyl ether	6.37	45	102867	21.699	ug/l	95
23) Vinyl Acetate	6.31	43	299167	106.081	ug/l	99
24) 1,1-Dichloroethane	6.27	63	62577	21.430	ug/l	95
25) 2-Butanone	7.23	43	53666	107.240	ug/l	94
26) 2,2-Dichloropropane	7.21	77	55497	21.010	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	40963	20.822	ug/l	98
28) Bromochloromethane	7.54	49	19629	18.886	ug/l #	10
29) Tetrahydrofuran	7.57	42	31937	109.339	ug/l	95
30) Chloroform	7.71	83	67815	21.382	ug/l	97
31) Cyclohexane	7.98	56	58294	21.903	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	58093	21.353	ug/l	99
36) 1,1-Dichloropropene	8.11	75	53157	22.227	ug/l	99
37) Ethyl Acetate	7.30	43	17586	15.594	ug/l #	78
38) Carbon Tetrachloride	8.10	117	53253	22.035	ug/l #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	66057	22.464	ug/l	87
40) Benzene	8.36	78	152294	22.221	ug/l	97
41) Methacrylonitrile	7.54	41	12464	22.479	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	43600	21.993	ug/l	99
43) Isopropyl Acetate	8.46	43	39537	19.713	ug/l	97
44) Trichloroethene	9.11	130	41964	21.234	ug/l	94
45) 1,2-Dichloropropane	9.39	63	36815	21.946	ug/l	99
46) Dibromomethane	9.48	93	20646	21.611	ug/l	97
47) Bromodichloromethane	9.67	83	52496	21.343	ug/l	99
48) Methyl methacrylate	9.46	41	19672	20.471	ug/l	90
49) 1,4-Dioxane	9.47	88	6077	466.008	ug/l	92
51) 4-Methyl-2-Pentanone	10.24	43	113768	109.374	ug/l	97
52) Toluene	10.40	92	99926	21.239	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	48042	20.016	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	58997	21.353	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	29117	21.585	ug/l	94
56) Ethyl methacrylate	10.66	69	35124	20.562	ug/l	97
57) 1,3-Dichloropropane	10.95	76	51873	22.476	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	74710	101.749	ug/l	98
59) 2-Hexanone	10.99	43	82489	109.630	ug/l	98
60) Dibromochloromethane	11.14	129	38282	21.799	ug/l	94
61) 1,2-Dibromoethane	11.25	107	29219	22.343	ug/l	99
64) Tetrachloroethene	10.88	164	38481	21.875	ug/l	93
65) Chlorobenzene	11.67	112	113618	21.955	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	41542	21.786	ug/l	99
67) Ethyl Benzene	11.75	91	203404	21.798	ug/l	99
68) m/p-Xylenes	11.85	106	159034	44.155	ug/l	100
69) o-Xylene	12.18	106	74313	21.548	ug/l	97
70) Styrene	12.20	104	125613	21.515	ug/l	99
71) Bromoform	12.36	173	21572	21.080	ug/l #	96
73) Isopropylbenzene	12.48	105	206575	21.678	ug/l	96
74) N-amyl acetate	12.29	43	40758	19.866	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	36378	21.938	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	29557m	31.132	ug/l	
77) Bromobenzene	12.76	156	51748	21.797	ug/l	96
78) n-propylbenzene	12.82	91	243311	21.753	ug/l	99
79) 2-Chlorotoluene	12.91	91	133832	21.699	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	166637	20.961	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	9709	18.097	ug/l	86
82) 4-Chlorotoluene	13.01	91	137532	21.021	ug/l	99
83) tert-Butylbenzene	13.23	119	146429	20.696	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	171516	20.927	ug/l	99
85) sec-Butylbenzene	13.40	105	213394	22.333	ug/l	100
86) p-Isopropyltoluene	13.52	119	191316	21.160	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	97332	20.749	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	100392	21.693	ug/l	99
89) n-Butylbenzene	13.85	91	186993	22.218	ug/l	98
90) Hexachloroethane	14.11	117	35738	21.977	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	86339	21.357	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5094	18.209	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	63519	20.363	ug/l	97
94) Hexachlorobutadiene	15.27	225	35312	20.514	ug/l	97
95) Naphthalene	15.41	128	110064	20.993	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	55492	20.619	ug/l	98

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

