

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064041.D
 Acq On : 24 Oct 2019 12:33
 Operator : VA/SY
 Sample : VD1024SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:48:12 PM

Quant Time: Oct 25 04:33:05 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	7.99	168	147230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	229286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	232059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	128122	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	74840	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
35) Dibromofluoromethane	7.92	113	76632	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
50) Toluene-d8	10.34	98	319704	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	
62) 4-Bromofluorobenzene	12.64	95	106266	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	20612	19.741	ug/l	90
3) Chloromethane	2.21	50	69427	22.179	ug/l	96
4) Vinyl Chloride	2.35	62	85468	25.327	ug/l	96
5) Bromomethane	2.76	94	53170	24.508	ug/l	92
6) Chloroethane	2.92	64	54365	24.360	ug/l	91
7) Trichlorofluoromethane	3.27	101	118794	26.625	ug/l	99
8) Diethyl Ether	3.70	74	16496	23.035	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	28479	23.059	ug/l	96
10) Methyl Iodide	4.30	142	30169	17.728	ug/l	99
11) Tert butyl alcohol	5.26	59	10119	96.698	ug/l	94
12) 1,1-Dichloroethene	4.06	96	24435	19.803	ug/l	98
13) Acrolein	3.92	56	9226	72.066	ug/l #	82
14) Allyl chloride	4.70	41	44486	21.685	ug/l #	19
15) Acrylonitrile	5.43	53	35598	112.746	ug/l	99
16) Acetone	4.17	43	36516	97.848	ug/l	90
17) Carbon Disulfide	4.40	76	81876	18.254	ug/l #	95
18) Methyl Acetate	4.73	43	17930	24.564	ug/l #	88
19) Methyl tert-butyl Ether	5.48	73	61796	19.340	ug/l #	87
20) Methylene Chloride	4.96	84	42368	24.022	ug/l #	86
21) trans-1,2-Dichloroethene	5.47	96	32916	21.429	ug/l	96
22) Diisopropyl ether	6.37	45	91030	21.727	ug/l	91
23) Vinyl Acetate	6.31	43	268033m	107.540	ug/l	
24) 1,1-Dichloroethane	6.27	63	58497	22.667	ug/l	95
25) 2-Butanone	7.23	43	48052	108.648	ug/l	93
26) 2,2-Dichloropropane	7.21	77	47917	20.526	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	37103	21.340	ug/l	99
28) Bromochloromethane	7.56	49	18456	19.973	ug/l	95
29) Tetrahydrofuran	7.58	42	26643	103.209	ug/l	97
30) Chloroform	7.71	83	63293	22.581	ug/l	98
31) Cyclohexane	7.99	56	54472	23.407	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	56452	23.479	ug/l	95
36) 1,1-Dichloropropene	8.11	75	46957	22.399	ug/l	96
37) Ethyl Acetate	7.30	43	21481	23.434	ug/l #	91
38) Carbon Tetrachloride	8.10	117	47362	22.356	ug/l #	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	58603	22.735	ug/l	95
40) Benzene	8.35	78	139392	23.202	ug/l	95
41) Methacrylonitrile	7.54	41	10483	21.568	ug/l	94
42) 1,2-Dichloroethane	8.43	62	36618	21.071	ug/l	99
43) Isopropyl Acetate	8.46	43	36038	20.498	ug/l #	83
44) Trichloroethene	9.12	130	38859	22.431	ug/l	97
45) 1,2-Dichloropropane	9.40	63	34334	23.349	ug/l #	84
46) Dibromomethane	9.48	93	19235	22.968	ug/l	99
47) Bromodichloromethane	9.67	83	45865	21.272	ug/l #	95
48) Methyl methacrylate	9.46	41	16772	19.910	ug/l	97
49) 1,4-Dioxane	9.47	88	4906	429.176	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	100336	110.041	ug/l	98
52) Toluene	10.41	92	91952	22.296	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	45852	21.793	ug/l #	85
54) cis-1,3-Dichloropropene	10.09	75	52054	21.493	ug/l	93
55) 1,1,2-Trichloroethane	10.81	97	26945	22.787	ug/l	92
56) Ethyl methacrylate	10.67	69	30109	20.107	ug/l	92
57) 1,3-Dichloropropane	10.96	76	45123	22.304	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	65949	102.462	ug/l	98
59) 2-Hexanone	10.99	43	71721	108.738	ug/l	100
60) Dibromochloromethane	11.14	129	34502	22.412	ug/l	99
61) 1,2-Dibromoethane	11.25	107	27122	23.660	ug/l	97
64) Tetrachloroethene	10.88	164	35130	22.175	ug/l	93
65) Chlorobenzene	11.67	112	106059	22.758	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	38169	22.227	ug/l	97
67) Ethyl Benzene	11.75	91	186727	22.220	ug/l	100
68) m/p-Xylenes	11.86	106	153709	47.389	ug/l	95
69) o-Xylene	12.18	106	68527	22.064	ug/l	99
70) Styrene	12.20	104	118337	22.507	ug/l	99
71) Bromoform	12.36	173	20885	22.662	ug/l #	97
73) Isopropylbenzene	12.48	105	186565	21.661	ug/l	99
74) N-amyl acetate	12.29	43	36756	19.821	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	31427	20.968	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	17379m	20.252	ug/l	
77) Bromobenzene	12.77	156	46926	21.868	ug/l	98
78) n-propylbenzene	12.83	91	233215	23.068	ug/l	97
79) 2-Chlorotoluene	12.91	91	120161	21.555	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	159412	22.185	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	9177	18.925	ug/l	95
82) 4-Chlorotoluene	13.01	91	125291	21.187	ug/l	95
83) tert-Butylbenzene	13.23	119	136888	21.405	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	158997	21.463	ug/l	99
85) sec-Butylbenzene	13.40	105	194681	22.542	ug/l	99
86) p-Isopropyltoluene	13.52	119	180445	22.080	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93117	21.962	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	94029	22.479	ug/l	99
89) n-Butylbenzene	13.84	91	168425	22.141	ug/l	98
90) Hexachloroethane	14.11	117	32115	21.850	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	82039	22.452	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5168	20.755	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57239	20.302	ug/l	99
94) Hexachlorobutadiene	15.27	225	34003	21.855	ug/l	97
95) Naphthalene	15.41	128	95681	20.191	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	51036	20.980	ug/l	99

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

