

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064040.D
 Acq On : 24 Oct 2019 12:05
 Operator : VA/SY
 Sample : VD1024SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:48:07 PM

Quant Time: Oct 25 04:26:03 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	143166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	231312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	239950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	128480	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	73161	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	7.92	113	75433	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
50) Toluene-d8	10.34	98	321541	56.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.08%	
62) 4-Bromofluorobenzene	12.63	95	106018	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	19451	19.158	ug/l	88
3) Chloromethane	2.21	50	70229	23.265	ug/l	96
4) Vinyl Chloride	2.35	62	83548	25.461	ug/l	97
5) Bromomethane	2.77	94	49115	23.281	ug/l	94
6) Chloroethane	2.93	64	53992	24.879	ug/l #	88
7) Trichlorofluoromethane	3.27	101	117495	27.081	ug/l	95
8) Diethyl Ether	3.71	74	15480	22.229	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	27607	22.988	ug/l	94
10) Methyl Iodide	4.30	142	27659	16.714	ug/l	99
11) Tert butyl alcohol	5.24	59	9423	92.252	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	24904	20.756	ug/l #	87
13) Acrolein	3.93	56	8919	71.645	ug/l	85
14) Allyl chloride	4.70	41	42007	21.058	ug/l	97
15) Acrylonitrile	5.43	53	35223	114.725	ug/l	98
16) Acetone	4.17	43	35806	98.669	ug/l #	85
17) Carbon Disulfide	4.40	76	81953	18.790	ug/l #	92
18) Methyl Acetate	4.72	43	17565	24.747	ug/l #	58
19) Methyl tert-butyl Ether	5.49	73	60010	19.314	ug/l	96
20) Methylene Chloride	4.96	84	41332	24.111	ug/l #	80
21) trans-1,2-Dichloroethene	5.47	96	32130	21.511	ug/l	94
22) Diisopropyl ether	6.37	45	94705	23.246	ug/l #	95
23) Vinyl Acetate	6.31	43	270339	111.544	ug/l	97
24) 1,1-Dichloroethane	6.27	63	58635	23.366	ug/l #	94
25) 2-Butanone	7.23	43	49231	114.474	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	49645	21.870	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	37750	22.329	ug/l	95
28) Bromochloromethane	7.56	49	18674	20.707	ug/l	94
29) Tetrahydrofuran	7.57	42	26963	107.414	ug/l	94
30) Chloroform	7.71	83	58711	21.541	ug/l	96
31) Cyclohexane	7.99	56	53302	23.582	ug/l #	82
32) 1,1,1-Trichloroethane	7.90	97	55124	23.577	ug/l	97
36) 1,1-Dichloropropene	8.11	75	49273	23.298	ug/l	97
37) Ethyl Acetate	7.30	43	19339	20.446	ug/l #	96
38) Carbon Tetrachloride	8.10	117	46935	21.961	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	57857	22.249	ug/l	95
40) Benzene	8.36	78	138521	22.855	ug/l	98
41) Methacrylonitrile	7.53	41	11982	24.436	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	39622	22.600	ug/l	98
43) Isopropyl Acetate	8.46	43	38016	21.434	ug/l #	83
44) Trichloroethene	9.11	130	37745	21.597	ug/l	96
45) 1,2-Dichloropropane	9.39	63	32703	22.045	ug/l	92
46) Dibromomethane	9.48	93	17994	21.298	ug/l	96
47) Bromodichloromethane	9.67	83	47456	21.817	ug/l	98
48) Methyl methacrylate	9.46	41	18249	21.474	ug/l	93
49) 1,4-Dioxane	9.46	88	5074	439.984	ug/l #	71
51) 4-Methyl-2-Pentanone	10.23	43	97700	106.211	ug/l	98
52) Toluene	10.41	92	97794	23.505	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	43488	20.488	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	53096	21.731	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	27458	23.018	ug/l	94
56) Ethyl methacrylate	10.66	69	30935	20.478	ug/l #	95
57) 1,3-Dichloropropane	10.95	76	44470	21.788	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	66920	103.060	ug/l	99
59) 2-Hexanone	10.99	43	71129	106.896	ug/l	98
60) Dibromochloromethane	11.14	129	33294	21.438	ug/l	99
61) 1,2-Dibromoethane	11.25	107	26626	23.023	ug/l	97
64) Tetrachloroethene	10.87	164	36520	22.294	ug/l	95
65) Chlorobenzene	11.67	112	109251	22.672	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	37811	21.294	ug/l	98
67) Ethyl Benzene	11.75	91	192752	22.183	ug/l	97
68) m/p-Xylenes	11.86	106	147310	43.922	ug/l	98
69) o-Xylene	12.18	106	68793	21.421	ug/l	94
70) Styrene	12.20	104	119891	22.053	ug/l	98
71) Bromoform	12.37	173	20439	21.449	ug/l #	98
73) Isopropylbenzene	12.48	105	185634	21.493	ug/l	98
74) N-amyl acetate	12.29	43	36069	19.396	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	30957	20.597	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	17311m	20.117	ug/l	
77) Bromobenzene	12.76	156	46946	21.816	ug/l	97
78) n-propylbenzene	12.83	91	234814	23.162	ug/l	100
79) 2-Chlorotoluene	12.91	91	123157	22.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	158251	21.962	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	8479	17.436	ug/l #	85
82) 4-Chlorotoluene	13.01	91	133746	22.554	ug/l	98
83) tert-Butylbenzene	13.23	119	140784	21.953	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	160783	21.644	ug/l	100
85) sec-Butylbenzene	13.40	105	198109	22.875	ug/l	100
86) p-Isopropyltoluene	13.52	119	183462	22.387	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93643	22.024	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	92840	22.133	ug/l	99
89) n-Butylbenzene	13.85	91	173012	22.681	ug/l	99
90) Hexachloroethane	14.12	117	33100	22.457	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	81829	22.332	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4617	18.209	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	55099	19.488	ug/l	97
94) Hexachlorobutadiene	15.27	225	34742	22.268	ug/l	99
95) Naphthalene	15.40	128	93861	19.752	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	52254	21.421	ug/l	98

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

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