

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100419\
 Data File : VD063886.D
 Acq On : 04 Oct 2019 14:38
 Operator : VA/SY
 Sample : VD1004SBS01
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 3:11:27 PM

Quant Time: Oct 05 04:02:23 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	197646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	318687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	312802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	162872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	88523	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	7.91	113	89343	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	
50) Toluene-d8	10.34	98	370940	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
62) 4-Bromofluorobenzene	12.63	95	124605	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	28007	19.981	ug/l	100
3) Chloromethane	2.21	50	86031	20.103	ug/l	96
4) Vinyl Chloride	2.35	62	91837	20.272	ug/l	98
5) Bromomethane	2.76	94	49910	17.137	ug/l	94
6) Chloroethane	2.91	64	59958	20.013	ug/l	99
7) Trichlorofluoromethane	3.27	101	121999	20.369	ug/l	96
8) Diethyl Ether	3.70	74	20249	21.063	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	34396	20.746	ug/l	97
10) Methyl Iodide	4.29	142	44947	19.674	ug/l	99
11) Tert butyl alcohol	5.25	59	13296m	94.472	ug/l	
12) 1,1-Dichloroethene	4.06	96	34558	20.863	ug/l	88
13) Acrolein	3.91	56	15828	92.098	ug/l	83
14) Allyl chloride	4.71	41	56329	20.454	ug/l	99
15) Acrylonitrile	5.43	53	44066	103.965	ug/l	96
16) Acetone	4.16	43	44837	89.498	ug/l	93
17) Carbon Disulfide	4.40	76	117959	19.590	ug/l	97
18) Methyl Acetate	4.72	43	19864	20.272	ug/l #	80
19) Methyl tert-butyl Ether	5.48	73	87031	20.290	ug/l	99
20) Methylene Chloride	4.96	84	52904	22.121	ug/l	91
21) trans-1,2-Dichloroethene	5.46	96	40905	19.837	ug/l	93
22) Diisopropyl ether	6.36	45	113067	20.103	ug/l	94
23) Vinyl Acetate	6.31	43	344948	103.096	ug/l	97
24) 1,1-Dichloroethane	6.26	63	71079	20.517	ug/l	98
25) 2-Butanone	7.22	43	59642	100.455	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	64602	20.614	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	49365	21.150	ug/l	97
28) Bromochloromethane	7.55	49	24829	20.012	ug/l	93
29) Tetrahydrofuran	7.57	42	33761	97.422	ug/l	100
30) Chloroform	7.71	83	76327	20.285	ug/l	95
31) Cyclohexane	7.98	56	67055	21.104	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	66995	20.756	ug/l	98
36) 1,1-Dichloropropene	8.11	75	57489	19.730	ug/l	97
37) Ethyl Acetate	7.30	43	23066	17.119	ug/l	96
38) Carbon Tetrachloride	8.10	117	59671	20.265	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	72893	20.346	ug/l	93
40) Benzene	8.35	78	172323	20.637	ug/l	91
41) Methacrylonitrile	7.53	41	12838	19.003	ug/l	95
42) 1,2-Dichloroethane	8.43	62	48423	20.047	ug/l	99
43) Isopropyl Acetate	8.46	43	49331	20.187	ug/l	98
44) Trichloroethene	9.11	130	48810	20.271	ug/l	99
45) 1,2-Dichloropropane	9.39	63	42347	20.719	ug/l	97
46) Dibromomethane	9.48	93	22950	19.717	ug/l	97
47) Bromodichloromethane	9.66	83	59324	19.796	ug/l	99
48) Methyl methacrylate	9.46	41	21826	18.641	ug/l	89
49) 1,4-Dioxane	9.46	88	6555	412.566	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	129881	102.484	ug/l	96
52) Toluene	10.40	92	113241	19.755	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	59692	20.412	ug/l #	85
54) cis-1,3-Dichloropropene	10.08	75	67989	20.197	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	34006	20.691	ug/l	89
56) Ethyl methacrylate	10.66	69	41339	19.863	ug/l	97
57) 1,3-Dichloropropane	10.95	76	57825	20.564	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	85081	95.105	ug/l	99
59) 2-Hexanone	10.98	43	93208	101.672	ug/l	97
60) Dibromochloromethane	11.14	129	42326	19.782	ug/l	99
61) 1,2-Dibromoethane	11.24	107	32557	20.434	ug/l	97
64) Tetrachloroethene	10.87	164	42538	19.920	ug/l	97
65) Chlorobenzene	11.67	112	131101	20.870	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	44914	19.403	ug/l	99
67) Ethyl Benzene	11.74	91	227527	20.086	ug/l	97
68) m/p-Xylenes	11.85	106	178796	40.894	ug/l	99
69) o-Xylene	12.18	106	83483	19.941	ug/l	100
70) Styrene	12.19	104	143714	20.278	ug/l	99
71) Bromoform	12.36	173	25094	20.200	ug/l #	96
73) Isopropylbenzene	12.48	105	227020	20.734	ug/l	98
74) N-amyl acetate	12.29	43	49819	21.133	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	39573	20.770	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	17886m	16.396	ug/l	
77) Bromobenzene	12.76	156	53834	19.735	ug/l	95
78) n-propylbenzene	12.82	91	274042	21.323	ug/l	96
79) 2-Chlorotoluene	12.91	91	149029	21.030	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	190318	20.835	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	12322	19.989	ug/l	97
82) 4-Chlorotoluene	13.01	91	157372	20.934	ug/l	98
83) tert-Butylbenzene	13.22	119	167075	20.552	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	188305	19.996	ug/l	98
85) sec-Butylbenzene	13.40	105	229060	20.864	ug/l	99
86) p-Isopropyltoluene	13.51	119	217389	20.925	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	107968	20.031	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	109963	20.680	ug/l	97
89) n-Butylbenzene	13.84	91	203565	21.051	ug/l	98
90) Hexachloroethane	14.11	117	38107	20.395	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	98235	21.149	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6575	20.774	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	71348	19.907	ug/l	99
94) Hexachlorobutadiene	15.27	225	38656	19.545	ug/l	95
95) Naphthalene	15.40	128	126032	20.921	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	62724	20.284	ug/l	97

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

