

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103119\
 Data File : VD064129.D
 Acq On : 31 Oct 2019 13:31
 Operator : VA/SY
 Sample : VD1031SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2019 12:07:13 PM

Quant Time: Nov 01 07:32:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	228651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	336303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	325618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	172940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	92736	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	7.92	113	104886	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	420063	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.64	95	140738	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	49186	21.066	ug/l	98
3) Chloromethane	2.21	50	79629	20.441	ug/l	96
4) Vinyl Chloride	2.35	62	86362	20.443	ug/l	98
5) Bromomethane	2.76	94	56548	20.540	ug/l	97
6) Chloroethane	2.92	64	55196	21.036	ug/l #	86
7) Trichlorofluoromethane	3.27	101	122087	20.994	ug/l	92
8) Diethyl Ether	3.70	74	21847	21.613	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	43624	20.816	ug/l	99
10) Methyl Iodide	4.30	142	50239	19.349	ug/l	98
11) Tert butyl alcohol	5.25	59	10293	102.123	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	41972	21.161	ug/l	84
13) Acrolein	3.93	56	9737	83.976	ug/l	96
14) Allyl chloride	4.70	41	46424	19.998	ug/l	99
15) Acrylonitrile	5.43	53	39154	104.861	ug/l	99
16) Acetone	4.17	43	33544	96.948	ug/l #	88
17) Carbon Disulfide	4.40	76	123439	20.252	ug/l	98
18) Methyl Acetate	4.72	43	20570	22.350	ug/l #	84
19) Methyl tert-butyl Ether	5.48	73	79155	19.667	ug/l	94
20) Methylene Chloride	4.96	84	53348	21.839	ug/l	89
21) trans-1,2-Dichloroethene	5.46	96	47056	21.134	ug/l	99
22) Diisopropyl ether	6.37	45	98957	19.247	ug/l #	93
23) Vinyl Acetate	6.31	43	286198	101.553	ug/l	100
24) 1,1-Dichloroethane	6.27	63	68891	19.843	ug/l	99
25) 2-Butanone	7.23	43	48004	100.357	ug/l	97
26) 2,2-Dichloropropane	7.21	77	64831	19.674	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	47372	19.014	ug/l	94
28) Bromochloromethane	7.55	49	19283	15.858	ug/l	98
29) Tetrahydrofuran	7.57	42	28793	103.140	ug/l	99
30) Chloroform	7.71	83	79041	19.896	ug/l	85
31) Cyclohexane	7.98	56	63996	18.920	ug/l	88
32) 1,1,1-Trichloroethane	7.90	97	75499	20.416	ug/l	98
36) 1,1-Dichloropropene	8.11	75	60774	19.286	ug/l	100
37) Ethyl Acetate	7.31	43	22445	23.140	ug/l #	94
38) Carbon Tetrachloride	8.10	117	67295	19.573	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	77546	20.046	ug/l	97
40) Benzene	8.35	78	170870	19.884	ug/l	99
41) Methacrylonitrile	7.55	41	14165	25.306	ug/l #	17
42) 1,2-Dichloroethane	8.43	62	45803	20.178	ug/l	98
43) Isopropyl Acetate	8.46	43	37472	19.116	ug/l	99
44) Trichloroethene	9.11	130	54594	20.961	ug/l	100
45) 1,2-Dichloropropane	9.39	63	40636	20.405	ug/l	94
46) Dibromomethane	9.48	93	23595	19.672	ug/l	99
47) Bromodichloromethane	9.66	83	60403	19.962	ug/l #	93
48) Methyl methacrylate	9.46	41	20178	22.259	ug/l	87
49) 1,4-Dioxane	9.47	88	6363	463.458	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	103560	97.043	ug/l	99
52) Toluene	10.41	92	116371	19.324	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	54808	19.404	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	64662	19.458	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	33353	19.613	ug/l	95
56) Ethyl methacrylate	10.67	69	37672	20.145	ug/l	97
57) 1,3-Dichloropropane	10.95	76	53764	19.117	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	77632	104.202	ug/l	100
59) 2-Hexanone	10.99	43	72005	91.986	ug/l	98
60) Dibromochloromethane	11.14	129	44889	19.448	ug/l	100
61) 1,2-Dibromoethane	11.25	107	33388	19.631	ug/l	98
64) Tetrachloroethene	10.88	164	49646	21.223	ug/l	95
65) Chlorobenzene	11.67	112	132144	19.641	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	47470	18.856	ug/l	96
67) Ethyl Benzene	11.75	91	231790	19.369	ug/l	98
68) m/p-Xylenes	11.86	106	187291	38.910	ug/l	99
69) o-Xylene	12.18	106	84913	19.330	ug/l	97
70) Styrene	12.20	104	147339	19.447	ug/l	99
71) Bromoform	12.37	173	27965	20.799	ug/l #	94
73) Isopropylbenzene	12.48	105	238231	19.824	ug/l	100
74) N-amyl acetate	12.30	43	36646	18.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	36896	19.478	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	22028m	18.956	ug/l	
77) Bromobenzene	12.77	156	57548	19.833	ug/l	96
78) n-propylbenzene	12.83	91	280163	19.893	ug/l	97
79) 2-Chlorotoluene	12.91	91	150312	19.911	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	197276	19.614	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	10843	19.056	ug/l	89
82) 4-Chlorotoluene	13.01	91	161401	20.008	ug/l	99
83) tert-Butylbenzene	13.23	119	175071	19.380	ug/l	94
84) 1,2,4-Trimethylbenzene	13.27	105	196746	19.473	ug/l	99
85) sec-Butylbenzene	13.41	105	242582	19.554	ug/l	99
86) p-Isopropyltoluene	13.52	119	224883	19.293	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	113778	19.567	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	110517	19.281	ug/l	99
89) n-Butylbenzene	13.85	91	211774	19.698	ug/l	99
90) Hexachloroethane	14.11	117	43303	19.843	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	101081	20.199	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5056	18.276	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72250	20.086	ug/l	100
94) Hexachlorobutadiene	15.27	225	44374	21.107	ug/l	98
95) Naphthalene	15.41	128	117159	19.971	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	64147	20.588	ug/l	93

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

