

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100419\
 Data File : VD063887.D
 Acq On : 04 Oct 2019 15:06
 Operator : VA/SY
 Sample : VD1004SBSD01
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 3:11:31 PM

Quant Time: Oct 05 04:04:26 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	197934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	311203	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	307793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	161667	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	94046	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	7.92	113	92868	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	10.34	98	386945	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.63	95	127607	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	27312	19.457	ug/l	95
3) Chloromethane	2.21	50	84137	19.519	ug/l	99
4) Vinyl Chloride	2.35	62	88671	19.545	ug/l	98
5) Bromomethane	2.76	94	52849	18.120	ug/l	91
6) Chloroethane	2.92	64	58399	19.464	ug/l #	81
7) Trichlorofluoromethane	3.27	101	117651	19.614	ug/l	100
8) Diethyl Ether	3.71	74	19488	20.242	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	33550	20.206	ug/l	99
10) Methyl Iodide	4.29	142	45179	19.747	ug/l	98
11) Tert butyl alcohol	5.24	59	11756	82.438	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	33666	20.295	ug/l	98
13) Acrolein	3.91	56	16830	97.786	ug/l	95
14) Allyl chloride	4.71	41	51864	18.805	ug/l	99
15) Acrylonitrile	5.43	53	42835	100.914	ug/l	99
16) Acetone	4.17	43	45462	90.614	ug/l	96
17) Carbon Disulfide	4.40	76	117834	19.541	ug/l #	93
18) Methyl Acetate	4.72	43	19138	19.503	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	86953	20.242	ug/l	94
20) Methylene Chloride	4.96	84	51291	21.313	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	41333	20.015	ug/l	95
22) Diisopropyl ether	6.37	45	112985	20.059	ug/l	99
23) Vinyl Acetate	6.31	43	339919	101.445	ug/l	97
24) 1,1-Dichloroethane	6.27	63	71108	20.495	ug/l	96
25) 2-Butanone	7.22	43	57690	97.026	ug/l	97
26) 2,2-Dichloropropane	7.21	77	61930	19.733	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	45832	19.608	ug/l	94
28) Bromochloromethane	7.55	49	22355	18.180	ug/l	99
29) Tetrahydrofuran	7.57	42	34319	98.889	ug/l	99
30) Chloroform	7.71	83	73217	19.430	ug/l	89
31) Cyclohexane	7.98	56	64647	20.155	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	65950	20.403	ug/l	96
36) 1,1-Dichloropropene	8.11	75	57215	20.108	ug/l	96
37) Ethyl Acetate	7.30	43	27596	21.949	ug/l	96
38) Carbon Tetrachloride	8.10	117	59508	20.696	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	68579	19.602	ug/l	96
40) Benzene	8.36	78	164829	20.214	ug/l	98
41) Methacrylonitrile	7.53	41	12684	19.227	ug/l	94
42) 1,2-Dichloroethane	8.43	62	47981	20.342	ug/l	99
43) Isopropyl Acetate	8.46	43	48689	20.404	ug/l	96
44) Trichloroethene	9.11	130	46734	19.876	ug/l	84
45) 1,2-Dichloropropane	9.38	63	40818	20.452	ug/l	94
46) Dibromomethane	9.47	93	22828	20.084	ug/l	98
47) Bromodichloromethane	9.67	83	58008	19.822	ug/l	96
48) Methyl methacrylate	9.46	41	23537	20.586	ug/l	93
49) 1,4-Dioxane	9.47	88	6451	415.784	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	125685	101.558	ug/l	98
52) Toluene	10.40	92	114140	20.391	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	56695	19.853	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	63983	19.464	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	33173	20.670	ug/l	94
56) Ethyl methacrylate	10.66	69	40010	19.686	ug/l	95
57) 1,3-Dichloropropane	10.94	76	54335	19.787	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	84781	97.048	ug/l	97
59) 2-Hexanone	10.98	43	86110	96.189	ug/l	96
60) Dibromochloromethane	11.14	129	40127	19.205	ug/l	99
61) 1,2-Dibromoethane	11.25	107	33190	21.332	ug/l	96
64) Tetrachloroethene	10.87	164	40139	19.103	ug/l	98
65) Chlorobenzene	11.67	112	123876	20.040	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	44419	19.502	ug/l	99
67) Ethyl Benzene	11.74	91	219980	19.736	ug/l	94
68) m/p-Xylenes	11.86	106	170757	39.691	ug/l	98
69) o-Xylene	12.18	106	83391	20.243	ug/l	97
70) Styrene	12.20	104	138105	19.804	ug/l	96
71) Bromoform	12.36	173	25472	20.838	ug/l #	96
73) Isopropylbenzene	12.48	105	215705	19.848	ug/l	98
74) N-amyl acetate	12.29	43	48211	20.604	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	38112	20.152	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	28107m	25.958	ug/l	
77) Bromobenzene	12.76	156	53378	19.713	ug/l	96
78) n-propylbenzene	12.82	91	259094	20.310	ug/l	99
79) 2-Chlorotoluene	12.91	91	140334	19.951	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	188382	20.777	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	11967	19.557	ug/l	87
82) 4-Chlorotoluene	13.01	91	153587	20.583	ug/l	96
83) tert-Butylbenzene	13.23	119	159470	19.762	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	186782	19.982	ug/l	100
85) sec-Butylbenzene	13.40	105	219615	20.153	ug/l	100
86) p-Isopropyltoluene	13.51	119	203696	19.753	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	103960	19.431	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	105973	20.078	ug/l	99
89) n-Butylbenzene	13.84	91	195407	20.358	ug/l	98
90) Hexachloroethane	14.11	117	35982	19.401	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	94232	20.438	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6026	18.983	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	70234	19.742	µg/l	99
94) Hexachlorobutadiene	15.27	225	39277	20.007	µg/l	96
95) Naphthalene	15.40	128	121587	20.334	µg/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	61181	19.932	µg/l	96

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

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