

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067247.D
 Acq On : 13 Oct 2020 12:16
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:13 PM

Quant Time: Oct 13 12:46:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 12:22:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	356705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	523397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	482067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	338973	92.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.00%	
35) Dibromofluoromethane	7.92	113	352141	101.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.08%	
50) Toluene-d8	10.34	98	1249079	98.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.54%	
62) 4-Bromofluorobenzene	12.64	95	432382	97.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	271149	77.448	ug/l	95
3) Chloromethane	2.21	50	201191	85.690	ug/l	94
4) Vinyl Chloride	2.35	62	216754	83.520	ug/l	98
5) Bromomethane	2.76	94	159885	78.608	ug/l	99
6) Chloroethane	2.91	64	133415	82.139	ug/l	100
7) Trichlorofluoromethane	3.27	101	552591	84.730	ug/l	96
8) Diethyl Ether	3.71	74	133264	91.698	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	295514	85.318	ug/l	99
10) Methyl Iodide	4.30	142	327837	114.557	ug/l	99
11) Tert butyl alcohol	5.23	59	83889	273.315	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	271631	89.173	ug/l	97
13) Acrolein	3.92	56	110684	671.148	ug/l	98
14) Allyl chloride	4.71	41	325799	95.865	ug/l	98
15) Acrylonitrile	5.43	53	232115	484.202	ug/l	99
16) Acetone	4.16	43	234059	454.021	ug/l	99
17) Carbon Disulfide	4.41	76	765669	88.022	ug/l	96
18) Methyl Acetate	4.72	43	105356	88.999	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	575046	97.962	ug/l	98
20) Methylene Chloride	4.97	84	301446	72.650	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	319623	91.724	ug/l	97
22) Diisopropyl ether	6.36	45	590635	94.263	ug/l	100
23) Vinyl Acetate	6.31	43	1847274	543.326	ug/l	98
24) 1,1-Dichloroethane	6.26	63	484076	88.673	ug/l	99
25) 2-Butanone	7.21	43	276205	476.903	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	487621	85.562	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	345831	90.399	ug/l	97
28) Bromochloromethane	7.55	49	175165	96.177	ug/l #	99
29) Tetrahydrofuran	7.57	42	156364	489.888	ug/l	98
30) Chloroform	7.71	83	575041	87.833	ug/l	89
31) Cyclohexane	7.99	56	357243	81.480	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	562661	87.561	ug/l	98
36) 1,1-Dichloropropene	8.11	75	421642	92.085	ug/l	99
37) Ethyl Acetate	7.30	43	129666	97.682	ug/l #	93
38) Carbon Tetrachloride	8.10	117	533610	90.906	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	454491	96.810	ug/l	99
40) Benzene	8.36	78	1140602	90.407	ug/l	98
41) Methacrylonitrile	7.53	41	81428	143.766	ug/l #	72
42) 1,2-Dichloroethane	8.43	62	356698	90.492	ug/l	99
43) Isopropyl Acetate	8.46	43	256846	98.743	ug/l	100
44) Trichloroethene	9.11	130	362722	89.973	ug/l	98
45) 1,2-Dichloropropane	9.39	63	265530	91.651	ug/l	98
46) Dibromomethane	9.48	93	164600	90.237	ug/l	96
47) Bromodichloromethane	9.66	83	449658	93.081	ug/l	94
48) Methyl methacrylate	9.46	41	124580	98.313	ug/l	94
49) 1,4-Dioxane	9.46	88	33883	1751.224	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	629070	476.595	ug/l	100
52) Toluene	10.41	92	790111	92.513	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	405465	96.496	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	467625	94.992	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	218835	87.372	ug/l	99
56) Ethyl methacrylate	10.66	69	257186	105.095	ug/l	99
57) 1,3-Dichloropropane	10.95	76	364049	92.845	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	666304	528.600	ug/l	98
59) 2-Hexanone	10.98	43	441817	497.081	ug/l	97
60) Dibromochloromethane	11.14	129	329537	91.098	ug/l	100
61) 1,2-Dibromoethane	11.25	107	226118	92.733	ug/l	100
64) Tetrachloroethene	10.88	164	317048	86.305	ug/l	97
65) Chlorobenzene	11.67	112	866286	90.343	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	345732	90.800	ug/l	99
67) Ethyl Benzene	11.75	91	1536198	95.220	ug/l	99
68) m/p-Xylenes	11.86	106	1164156	185.732	ug/l	98
69) o-Xylene	12.18	106	538217	92.867	ug/l	98
70) Styrene	12.20	104	936078	93.997	ug/l	99
71) Bromoform	12.37	173	186451	91.562	ug/l #	99
73) Isopropylbenzene	12.48	105	1518665	98.524	ug/l	100
74) N-amyl acetate	12.30	43	233432	101.682	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	225600	93.621	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	146385m	84.914	ug/l	
77) Bromobenzene	12.77	156	361757	92.204	ug/l	98
78) n-propylbenzene	12.83	91	1699021	93.724	ug/l	100
79) 2-Chlorotoluene	12.91	91	968425	91.639	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1286606	94.859	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	71850	96.798	ug/l	97
82) 4-Chlorotoluene	13.01	91	1029439	91.280	ug/l	99
83) tert-Butylbenzene	13.23	119	1108916	97.929	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1282963	96.129	ug/l	99
85) sec-Butylbenzene	13.41	105	1487132	94.699	ug/l	100
86) p-Isopropyltoluene	13.53	119	1408387	94.890	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	668952	87.081	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	680219	90.292	ug/l	99
89) n-Butylbenzene	13.85	91	1255222	96.927	ug/l	100
90) Hexachloroethane	14.12	117	243053	94.388	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	601392	90.495	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	40970	94.391	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	431166	99.714	ug/l	99
94) Hexachlorobutadiene	15.28	225	262394	96.680	ug/l	99
95) Naphthalene	15.41	128	777145	114.506	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	378892	102.042	ug/l	100

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

