

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066695.D
 Acq On : 15 Sep 2020 13:28
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:14 AM

Quant Time: Sep 15 16:27:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:17:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	390876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	665810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	602820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274654	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	25410	6.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.18%	
35) Dibromofluoromethane	7.91	113	22478	5.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.02%	
50) Toluene-d8	10.34	98	75147	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
62) 4-Bromofluorobenzene	12.63	95	26463	5.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.98	85	17611	5.390	ug/l	100
3) Chloromethane	2.21	50	22959	5.398	ug/l	98
4) Vinyl Chloride	2.35	62	23662	5.315	ug/l	97
5) Bromomethane	2.77	94	17860	5.656	ug/l	93
6) Chloroethane	2.91	64	14212	5.125	ug/l #	76
7) Trichlorofluoromethane	3.27	101	41456	5.392	ug/l	91
8) Diethyl Ether	3.70	74	9682	5.029	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.10	101	22948	5.431	ug/l #	86
10) Methyl Iodide	4.29	142	16729	4.173	ug/l	99
11) Tert butyl alcohol	5.18	59	22213	52.793	ug/l #	80
12) 1,1-Dichloroethene	4.07	96	19596	5.010	ug/l	97
13) Acrolein	3.92	56	8516	28.953	ug/l #	56
14) Allyl chloride	4.71	41	30178	4.805	ug/l	99
15) Acrylonitrile	5.43	53	22825	27.061	ug/l	96
16) Acetone	4.16	43	26126	30.763	ug/l	99
17) Carbon Disulfide	4.41	76	55191	4.491	ug/l #	94
18) Methyl Acetate	4.71	43	14653	7.148	ug/l #	88
19) Methyl tert-butyl Ether	5.48	73	41374	4.749	ug/l	92
20) Methylene Chloride	4.97	84	44181	7.681	ug/l	91
21) trans-1,2-Dichloroethene	5.48	96	22461	4.929	ug/l	99
22) Diisopropyl ether	6.36	45	58481	4.582	ug/l #	94
23) Vinyl Acetate	6.30	43	145039	20.430	ug/l	99
24) 1,1-Dichloroethane	6.27	63	42475	5.245	ug/l	96
25) 2-Butanone	7.21	43	30027	27.153	ug/l	95
26) 2,2-Dichloropropane	7.20	77	42637	5.693	ug/l	92
27) cis-1,2-Dichloroethene	7.21	96	25055	5.026	ug/l	97
28) Bromochloromethane	7.55	49	15970	5.279	ug/l #	98
29) Tetrahydrofuran	7.56	42	16816	24.854	ug/l	99
30) Chloroform	7.71	83	46131	5.352	ug/l	92
31) Cyclohexane	7.98	56	39281	5.332	ug/l #	78
32) 1,1,1-Trichloroethane	7.90	97	41015	5.200	ug/l	95
36) 1,1-Dichloropropene	8.11	75	33732	4.928	ug/l	99
37) Ethyl Acetate	7.29	43	11950	4.611	ug/l #	79
38) Carbon Tetrachloride	8.10	117	36441	5.013	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.35	83	33880	4.327	ug/l	97
40) Benzene	8.35	78	87181	4.707	ug/l #	86
41) Methacrylonitrile	7.52	41	6289m	5.012	ug/l	
42) 1,2-Dichloroethane	8.43	62	29035	5.060	ug/l	99
43) Isopropyl Acetate	8.45	43	24554	5.034	ug/l	95
44) Trichloroethene	9.11	130	23939	4.835	ug/l	93
45) 1,2-Dichloropropane	9.38	63	22671	4.952	ug/l	94
46) Dibromomethane	9.47	93	12695	5.046	ug/l	96
47) Bromodichloromethane	9.66	83	33744	4.922	ug/l	95
48) Methyl methacrylate	9.45	41	12010	4.841	ug/l #	89
49) 1,4-Dioxane	9.45	88	2441	90.576	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	58963	23.479	ug/l	98
52) Toluene	10.40	92	52501	4.425	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	29263	4.778	ug/l	90
54) cis-1,3-Dichloropropene	10.08	75	33873	4.657	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	17082	5.150	ug/l #	83
56) Ethyl methacrylate	10.66	69	15585	4.140	ug/l	96
57) 1,3-Dichloropropane	10.94	76	30130	5.176	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	38773	23.453	ug/l	91
59) 2-Hexanone	10.98	43	39918	23.657	ug/l	91
60) Dibromochloromethane	11.14	129	20752	4.801	ug/l	98
61) 1,2-Dibromoethane	11.24	107	15547	4.886	ug/l	99
64) Tetrachloroethene	10.87	164	20769	5.047	ug/l #	85
65) Chlorobenzene	11.67	112	61979	4.966	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	22253	4.832	ug/l	94
67) Ethyl Benzene	11.74	91	99288	4.392	ug/l	98
68) m/p-Xylenes	11.85	106	73996	8.660	ug/l	99
69) o-Xylene	12.18	106	31036	4.110	ug/l	95
70) Styrene	12.20	104	54124	4.073	ug/l	91
71) Bromoform	12.36	173	11704	5.064	ug/l #	99
73) Isopropylbenzene	12.48	105	86588	4.223	ug/l	99
74) N-amyl acetate	12.29	43	20325	4.699	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	18943	5.437	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	11979m	5.153	ug/l	
77) Bromobenzene	12.76	156	24427	5.169	ug/l	92
78) n-propylbenzene	12.82	91	110958	4.439	ug/l	98
79) 2-Chlorotoluene	12.91	91	64590	4.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	72623	4.189	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	4847	4.450	ug/l	91
82) 4-Chlorotoluene	13.00	91	70020	4.686	ug/l	96
83) tert-Butylbenzene	13.23	119	61545	4.307	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	73338	4.233	ug/l	98
85) sec-Butylbenzene	13.40	105	86656	4.230	ug/l	98
86) p-Isopropyltoluene	13.52	119	77626	4.168	ug/l	96
87) 1,3-Dichlorobenzene	13.52	146	42742	4.714	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	45593	5.050	ug/l	95
89) n-Butylbenzene	13.84	91	75327	4.254	ug/l	97
90) Hexachloroethane	14.11	117	17943	4.690	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	37861	4.874	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.50	75	3031	5.382	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	20002	4.257	ug/l	91
94) Hexachlorobutadiene	15.27	225	13911	4.914	ug/l	99
95) Naphthalene	15.41	128	34985	4.262	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	19512	4.754	ug/l	97

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

