

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065212.D
 Acq On : 18 Feb 2020 10:34
 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
 2/19/2020 1:44:00 PM

Quant Time: Feb 19 03:11:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	464928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	714441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316137	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	21310	5.09	ug/l	0.00
Spiked Amount			Recovery	=	10.18%	
35) Dibromofluoromethane	7.91	113	21329	4.90	ug/l	0.00
Spiked Amount			Recovery	=	9.80%	
50) Toluene-d8	10.34	98	76573	4.60	ug/l	0.00
Spiked Amount			Recovery	=	9.20%	
62) 4-Bromofluorobenzene	12.64	95	24972	4.73	ug/l	0.00
Spiked Amount			Recovery	=	9.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	20618	5.287	ug/l	90
3) Chloromethane	2.21	50	27432	5.527	ug/l	100
4) Vinyl Chloride	2.35	62	26791	5.308	ug/l	98
5) Bromomethane	2.77	94	18316	6.002	ug/l	95
6) Chloroethane	2.93	64	16959	5.505	ug/l #	85
7) Trichlorofluoromethane	3.27	101	38984	5.395	ug/l	96
8) Diethyl Ether	3.71	74	11407	5.230	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	24926	5.462	ug/l	100
10) Methyl Iodide	4.29	142	18843	3.977	ug/l	98
11) Tert butyl alcohol	5.25	59	6332	25.335	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	22182	5.146	ug/l	92
13) Acrolein	3.91	56	10782	28.978	ug/l	97
14) Allyl chloride	4.71	41	34324	4.903	ug/l	97
15) Acrylonitrile	5.43	53	23191	24.015	ug/l	97
16) Acetone	4.17	43	26227	25.652	ug/l	89
17) Carbon Disulfide	4.40	76	74945	5.186	ug/l	95
18) Methyl Acetate	4.73	43	12884	5.603	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	41423	4.608	ug/l	96
20) Methylene Chloride	4.97	84	31754	6.118	ug/l	91
21) trans-1,2-Dichloroethene	5.46	96	24427	4.985	ug/l	84
22) Diisopropyl ether	6.37	45	60848	4.509	ug/l #	93
23) Vinyl Acetate	6.31	43	148318	19.937	ug/l	100
24) 1,1-Dichloroethane	6.26	63	43720	5.223	ug/l	97
25) 2-Butanone	7.23	43	29428	22.749	ug/l	94
26) 2,2-Dichloropropane	7.21	77	38700	5.329	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	25806	4.972	ug/l	99
28) Bromochloromethane	7.55	49	17894	5.762	ug/l	96
29) Tetrahydrofuran	7.58	42	16421	21.665	ug/l	95
30) Chloroform	7.71	83	44525	5.280	ug/l	94
31) Cyclohexane	7.98	56	46098	5.605	ug/l #	84
32) 1,1,1-Trichloroethane	7.91	97	39411	5.224	ug/l	99
36) 1,1-Dichloropropene	8.11	75	34932	5.025	ug/l	97
37) Ethyl Acetate	7.30	43	14703	5.059	ug/l #	96
38) Carbon Tetrachloride	8.09	117	36577	5.169	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	36100	4.417	ug/l	89
40) Benzene	8.35	78	97093	4.948	ug/l	98
41) Methacrylonitrile	7.54	41	7283	4.340	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	27467	5.092	ug/l	99
43) Isopropyl Acetate	8.46	43	23822	4.508	ug/l	96
44) Trichloroethene	9.11	130	27832	5.117	ug/l	82
45) 1,2-Dichloropropane	9.40	63	24686	5.060	ug/l	89
46) Dibromomethane	9.48	93	12391	4.936	ug/l	97
47) Bromodichloromethane	9.67	83	34422	5.203	ug/l	95
48) Methyl methacrylate	9.46	41	10351	4.238	ug/l	93
49) 1,4-Dioxane	9.46	88	2614	88.783	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	56170	20.927	ug/l	100
52) Toluene	10.41	92	53445	4.400	ug/l	90
53) t-1,3-Dichloropropene	10.63	75	27042	4.410	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	34769	4.695	ug/l #	93
55) 1,1,2-Trichloroethane	10.80	97	18132	5.132	ug/l	98
56) Ethyl methacrylate	10.67	69	16590	4.068	ug/l	95
57) 1,3-Dichloropropane	10.96	76	29460	4.899	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	41551	32.316	ug/l	97
59) 2-Hexanone	10.99	43	37808	19.677	ug/l	95
60) Dibromochloromethane	11.14	129	22054	4.877	ug/l	99
61) 1,2-Dibromoethane	11.25	107	16360	4.890	ug/l	99
64) Tetrachloroethene	10.88	164	23659	5.072	ug/l	94
65) Chlorobenzene	11.67	112	65389	4.954	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	24897	5.055	ug/l	98
67) Ethyl Benzene	11.75	91	104991	4.542	ug/l	95
68) m/p-Xylenes	11.86	106	77923	8.811	ug/l	98
69) o-Xylene	12.18	106	34020	4.342	ug/l	95
70) Styrene	12.20	104	59709	4.292	ug/l	97
71) Bromoform	12.37	173	13549	4.958	ug/l #	95
73) Isopropylbenzene	12.48	105	86838	4.149	ug/l	97
74) N-amyl acetate	12.30	43	18648	4.010	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	19036	5.040	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	15290m	3.375	ug/l	
77) Bromobenzene	12.77	156	24454	4.705	ug/l	98
78) n-propylbenzene	12.83	91	111149	4.419	ug/l	99
79) 2-Chlorotoluene	12.91	91	64492	4.577	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	73126	4.242	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	5540	4.447	ug/l	97
82) 4-Chlorotoluene	13.01	91	69476	4.645	ug/l	100
83) tert-Butylbenzene	13.23	119	61132	4.231	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	73522	4.261	ug/l	98
85) sec-Butylbenzene	13.41	105	92521	4.444	ug/l	98
86) p-Isopropyltoluene	13.53	119	80421	4.224	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	48942	4.871	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	49559	4.998	ug/l	92
89) n-Butylbenzene	13.85	91	75301	4.292	ug/l	100
90) Hexachloroethane	14.12	117	19490	5.042	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	42530	4.930	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2943	5.056	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	24740	4.384	ug/l	94
94) Hexachlorobutadiene	15.28	225	17126	4.731	ug/l	94
95) Naphthalene	15.41	128	34906	3.805	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	21928	4.449	ug/l	98

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

