

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066985.D
 Acq On : 01 Oct 2020 11:00
 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
 10/2/2020 3:13:14 PM

Quant Time: Oct 01 15:17:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:02:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	447100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	718942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	641735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	22732	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
35) Dibromofluoromethane	7.91	113	22593	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
50) Toluene-d8	10.34	98	82580	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
62) 4-Bromofluorobenzene	12.63	95	29392	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	22067	5.436	ug/l	83
3) Chloromethane	2.20	50	19555	5.492	ug/l	99
4) Vinyl Chloride	2.35	62	19394	5.432	ug/l	97
5) Bromomethane	2.77	94	15557	5.978	ug/l	91
6) Chloroethane	2.92	64	12612	5.801	ug/l #	87
7) Trichlorofluoromethane	3.27	101	47508	5.989	ug/l	96
8) Diethyl Ether	3.71	74	10112	5.141	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	25196	5.620	ug/l	95
10) Methyl Iodide	4.30	142	20118	4.618	ug/l #	96
11) Tert butyl alcohol	5.20	59	17420	47.519	ug/l #	79
12) 1,1-Dichloroethene	4.06	96	23319	5.533	ug/l	96
13) Acrolein	3.93	56	8470	29.373	ug/l	97
14) Allyl chloride	4.71	41	26211	4.787	ug/l	94
15) Acrylonitrile	5.43	53	18895	26.100	ug/l #	82
16) Acetone	4.16	43	19584	29.791	ug/l	96
17) Carbon Disulfide	4.41	76	68729	5.314	ug/l	100
18) Methyl Acetate	4.73	43	8972	5.430	ug/l #	82
19) Methyl tert-butyl Ether	5.48	73	37575	4.884	ug/l	96
20) Methylene Chloride	4.97	84	46811	7.812	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	26889	5.606	ug/l	92
22) Diisopropyl ether	6.36	45	49485	4.951	ug/l	94
23) Vinyl Acetate	6.30	43	128308	22.652	ug/l	97
24) 1,1-Dichloroethane	6.26	63	42065	5.453	ug/l #	97
25) 2-Butanone	7.22	43	27393	29.391	ug/l	91
26) 2,2-Dichloropropane	7.20	77	45412	6.135	ug/l	94
27) cis-1,2-Dichloroethene	7.21	96	26726	5.217	ug/l	90
28) Bromochloromethane	7.55	49	15735	5.282	ug/l	98
29) Tetrahydrofuran	7.56	42	13570	25.322	ug/l	93
30) Chloroform	7.71	83	46656	5.575	ug/l	99
31) Cyclohexane	7.97	56	39350	6.084	ug/l #	65
32) 1,1,1-Trichloroethane	7.90	97	42905	5.532	ug/l	97
36) 1,1-Dichloropropene	8.11	75	37269	5.561	ug/l	98
37) Ethyl Acetate	7.29	43	12985	5.593	ug/l #	92
38) Carbon Tetrachloride	8.10	117	38065	5.250	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	36837	5.199	ug/l	91
40) Benzene	8.35	78	98321	5.282	ug/l	99
41) Methacrylonitrile	7.53	41	6670m	5.318	ug/l	
42) 1,2-Dichloroethane	8.43	62	28025	5.388	ug/l	97
43) Isopropyl Acetate	8.44	43	21676	5.068	ug/l	96
44) Trichloroethene	9.11	130	30483	5.484	ug/l	89
45) 1,2-Dichloropropane	9.38	63	22244	5.086	ug/l #	88
46) Dibromomethane	9.47	93	13572	5.399	ug/l	93
47) Bromodichloromethane	9.66	83	33549	5.134	ug/l	97
48) Methyl methacrylate	9.46	41	10957	5.001	ug/l	96
49) 1,4-Dioxane	9.46	88	3031	115.536	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	52933	24.848	ug/l	95
52) Toluene	10.40	92	60566	5.051	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	29434	5.040	ug/l	92
54) cis-1,3-Dichloropropene	10.08	75	35871	5.030	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	18865	5.398	ug/l	97
56) Ethyl methacrylate	10.66	69	14893	4.128	ug/l #	86
57) 1,3-Dichloropropane	10.94	76	29055	5.127	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	44023	21.922	ug/l	98
59) 2-Hexanone	10.98	43	33461	23.534	ug/l	100
60) Dibromochloromethane	11.14	129	24014	5.156	ug/l	97
61) 1,2-Dibromoethane	11.25	107	16776	4.997	ug/l	93
64) Tetrachloroethene	10.87	164	26170	5.609	ug/l	98
65) Chlorobenzene	11.67	112	68977	5.404	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	26220	5.401	ug/l	97
67) Ethyl Benzene	11.74	91	111522	5.100	ug/l	99
68) m/p-Xylenes	11.86	106	83390	9.785	ug/l	99
69) o-Xylene	12.18	106	35487	4.656	ug/l	95
70) Styrene	12.19	104	60761	4.643	ug/l	98
71) Bromoform	12.36	173	13900	5.516	ug/l #	100
73) Isopropylbenzene	12.48	105	99168	4.723	ug/l	97
74) N-amyl acetate	12.28	43	18670	4.946	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	18752	5.300	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	13409m	5.087	ug/l	
77) Bromobenzene	12.76	156	26600	5.246	ug/l	95
78) n-propylbenzene	12.82	91	119287	4.807	ug/l	99
79) 2-Chlorotoluene	12.91	91	69932	4.925	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	80946	4.563	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	5524	5.113	ug/l	98
82) 4-Chlorotoluene	13.01	91	75893	5.024	ug/l	98
83) tert-Butylbenzene	13.23	119	72805	4.873	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	82598	4.665	ug/l	98
85) sec-Butylbenzene	13.40	105	102733	4.883	ug/l	97
86) p-Isopropyltoluene	13.52	119	91948	4.714	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	51857	5.251	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	54174	5.486	ug/l	93
89) n-Butylbenzene	13.85	91	85129	4.776	ug/l	99
90) Hexachloroethane	14.11	117	17821	5.216	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	46861	5.433	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3198	5.608	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	26557	4.760	ug/l	99
94) Hexachlorobutadiene	15.28	225	18217	5.317	ug/l	97
95) Naphthalene	15.41	128	40957	4.401	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	22791	4.706	ug/l	99

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

