

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067075.D
 Acq On : 05 Oct 2020 11:24
 Operator : VA/SY
 Sample : VD1005SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:55:09 PM

Quant Time: Oct 06 07:33:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	471038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	714108	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	642885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319302	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	206654	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
35) Dibromofluoromethane	7.91	113	231853	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	10.34	98	859258	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.63	95	295153	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93591	21.894	ug/l	95
3) Chloromethane	2.21	50	71886	19.163	ug/l	99
4) Vinyl Chloride	2.35	62	73779	19.615	ug/l	98
5) Bromomethane	2.77	94	53938	19.615	ug/l	91
6) Chloroethane	2.92	64	45816	20.001	ug/l	98
7) Trichlorofluoromethane	3.27	101	168264	20.135	ug/l	99
8) Diethyl Ether	3.71	74	40455	19.522	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	97674	20.679	ug/l	98
10) Methyl Iodide	4.30	142	87908	19.154	ug/l	99
11) Tert butyl alcohol	5.22	59	22542	44.918	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	89818	20.228	ug/l	99
13) Acrolein	3.93	56	24873	81.874	ug/l	97
14) Allyl chloride	4.71	41	114116	19.783	ug/l	97
15) Acrylonitrile	5.43	53	72931	95.621	ug/l	95
16) Acetone	4.16	43	66343	95.791	ug/l #	88
17) Carbon Disulfide	4.40	76	272350	19.986	ug/l	99
18) Methyl Acetate	4.72	43	32017	18.393	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	158251	19.523	ug/l #	90
20) Methylene Chloride	4.97	84	100580	15.436	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	101175	20.022	ug/l	95
22) Diisopropyl ether	6.37	45	213206	20.245	ug/l	97
23) Vinyl Acetate	6.31	43	562498	94.259	ug/l	98
24) 1,1-Dichloroethane	6.26	63	160738	19.778	ug/l	94
25) 2-Butanone	7.21	43	85668	87.246	ug/l	100
26) 2,2-Dichloropropane	7.21	77	149148	18.895	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	107424	19.905	ug/l	97
28) Bromochloromethane	7.55	49	55391	17.648	ug/l	94
29) Tetrahydrofuran	7.57	42	51564	91.329	ug/l	97
30) Chloroform	7.71	83	179357	20.344	ug/l	97
31) Cyclohexane	7.98	56	135261	19.851	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	162204	19.852	ug/l	98
36) 1,1-Dichloropropene	8.11	75	135877	20.413	ug/l	98
37) Ethyl Acetate	7.30	43	37844	16.412	ug/l #	91
38) Carbon Tetrachloride	8.10	117	153351	21.293	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	149216	21.204	ug/l	92
40) Benzene	8.35	78	378134	20.453	ug/l	98
41) Methacrylonitrile	7.53	41	20312	16.305	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	102016	19.747	ug/l	98
43) Isopropyl Acetate	8.45	43	80245	18.890	ug/l	99
44) Trichloroethene	9.11	130	116364	21.078	ug/l	99
45) 1,2-Dichloropropane	9.38	63	91494	21.062	ug/l	100
46) Dibromomethane	9.48	93	50689	20.302	ug/l	98
47) Bromodichloromethane	9.66	83	131567	20.272	ug/l	99
48) Methyl methacrylate	9.46	41	44009	20.222	ug/l	97
49) 1,4-Dioxane	9.46	88	10332	396.502	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	200817	94.908	ug/l	100
52) Toluene	10.40	92	256604	21.546	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	115066	19.838	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	144153	20.352	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	68726	19.799	ug/l	98
56) Ethyl methacrylate	10.66	69	72646	20.271	ug/l	99
57) 1,3-Dichloropropane	10.95	76	111613	19.828	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	195579	98.050	ug/l	96
59) 2-Hexanone	10.98	43	136354	96.551	ug/l	99
60) Dibromochloromethane	11.14	129	94275	20.377	ug/l	97
61) 1,2-Dibromoethane	11.24	107	67733	20.311	ug/l	99
64) Tetrachloroethene	10.87	164	102149	21.856	ug/l	98
65) Chlorobenzene	11.67	112	273971	21.427	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	105341	21.659	ug/l	98
67) Ethyl Benzene	11.74	91	467512	21.340	ug/l	100
68) m/p-Xylenes	11.86	106	376621	44.112	ug/l	100
69) o-Xylene	12.18	106	165068	21.620	ug/l	96
70) Styrene	12.20	104	284144	21.673	ug/l	98
71) Bromoform	12.36	173	53341	21.128	ug/l	95
73) Isopropylbenzene	12.48	105	463716	21.388	ug/l	100
74) N-amyl acetate	12.29	43	73533	18.867	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	72888	19.953	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	49130m	17.665	ug/l	
77) Bromobenzene	12.76	156	111326	21.265	ug/l	94
78) n-propylbenzene	12.82	91	540216	21.083	ug/l	100
79) 2-Chlorotoluene	12.91	91	306659	20.918	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	390907	21.340	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21039	18.860	ug/l	99
82) 4-Chlorotoluene	13.01	91	326019	20.902	ug/l	99
83) tert-Butylbenzene	13.23	119	340766	22.091	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	393891	21.547	ug/l	99
85) sec-Butylbenzene	13.41	105	456771	21.027	ug/l	99
86) p-Isopropyltoluene	13.52	119	428430	21.273	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	213403	20.928	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	208704	20.469	ug/l	98
89) n-Butylbenzene	13.85	91	389035	21.136	ug/l	99
90) Hexachloroethane	14.12	117	72543	20.563	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	181710	20.404	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10229	17.371	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	121691	21.125	ug/l	98
94) Hexachlorobutadiene	15.28	225	75203	21.258	ug/l	97
95) Naphthalene	15.41	128	190466	19.823	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	103504	20.698	ug/l	99

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

