

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052721\
 Data File : VV021440.D
 Acq On : 27 May 2021 11:41
 Operator : SY/MD
 Sample : VSTD10062
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100162

Manual Integrations
 APPROVED

MMDadoda
 5/28/2021 3:06:13 PM

Quant Time: May 28 02:38:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 28 02:37:39 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	489002	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	457327	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	268408	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	316849	134.02	ug/L	0.00
7) Chloroethane-d5	1.564	69	234906	115.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.108	63	539371	90.96	ug/L	0.00
21) 2-Butanone-d5	3.879	46	483927	260.62	ug/L	0.00
24) Chloroform-d	4.346	84	633140	93.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.030	65	367665	75.82	ug/L	0.00
32) Benzene-d6	5.050	84	1254785	115.13	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.069	67	389580	132.25	ug/L	0.00
41) Toluene-d8	7.317	98	1192546	107.54	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.619	79	209729	103.64	ug/L	0.00
47) 2-Hexanone-d5	8.085	63	370130	273.73	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.217	84	535475	117.39	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.625	152	539530	101.01	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	329243	85.50	ug/L	100
3) Chloromethane	1.240	50	320533	125.47	ug/L	100
5) Vinyl chloride	1.307	62	335879	109.49	ug/L	99
6) Bromomethane	1.519	94	230432	98.46	ug/L	98
8) Chloroethane	1.584	64	190734	99.28	ug/L	99
9) Trichlorofluoromethane	1.751	101	498944	68.82	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	292075	87.42	ug/L	100
12) 1,1-Dichloroethene	2.117	96	276682	91.39	ug/L	95
13) Acetone	2.175	43	393493m	193.55	ug/L	
14) Carbon disulfide	2.291	76	875293	110.48	ug/L	100
15) Methyl Acetate	2.429	43	335936	127.08	ug/L	99
16) Methylene chloride	2.503	84	336359	105.00	ug/L	97
17) trans-1,2-Dichloroethene	2.757	96	323660	103.79	ug/L	99
18) Methyl tert-butyl Ether	2.764	73	1009042	93.05	ug/L	100
19) 1,1-Dichloroethane	3.188	63	556824	102.93	ug/L	99
20) cis-1,2-Dichloroethene	3.908	96	356594	104.34	ug/L	100
22) 2-Butanone	3.963	43	518241	248.23	ug/L	95
23) Bromochloromethane	4.246	128	197108	101.96	ug/L	98
25) Chloroform	4.371	83	577612	85.16	ug/L	98
27) 1,2-Dichloroethane	5.127	62	410953	69.27	ug/L	99
29) Cyclohexane	4.677	56	512387	124.35	ug/L	100
30) 1,1,1-Trichloroethane	4.606	97	539869	79.11	ug/L	99
31) Carbon tetrachloride	4.828	117	496191	78.07	ug/L	100
33) Benzene	5.098	78	1250939	104.71	ug/L	100
34) Trichloroethene	5.911	95	341900	91.04	ug/L	98
35) Methylcyclohexane	6.130	83	556320	110.70	ug/L	98
37) 1,2-Dichloropropane	6.172	63	322939	121.12	ug/L	100
38) Bromodichloromethane	6.509	83	450501	87.48	ug/L	98
39) cis-1,3-Dichloropropene	7.027	75	552989	111.44	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	886344	239.90	ug/L	99
42) Toluene	7.387	91	1386358	100.53	ug/L	100
44) trans-1,3-Dichloropropene	7.651	75	524562	100.18	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.837	97	324601	100.79	ug/L	99
46) Tetrachloroethene	7.976	164	319835	98.76	ug/L	99
48) 2-Hexanone	8.136	43	693460	237.49	ug/L	99
49) Dibromochloromethane	8.246	129	411810	92.47	ug/L	98
50) 1,2-Dibromoethane	8.352	107	358320	99.62	ug/L	100
51) Chlorobenzene	8.882	112	926994	98.05	ug/L	99
52) Ethylbenzene	9.011	91	1528782	97.23	ug/L	100
53) m,p-Xylene	9.140	106	588222	95.45	ug/L	100
54) o-Xylene	9.545	106	583234	98.03	ug/L	98
55) Styrene	9.561	104	1010267	99.47	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.242	83	504300	111.95	ug/L	99
59) Bromoform	9.731	173	348534	96.16	ug/L	99
60) Isopropylbenzene	9.931	105	1565515	91.73	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	392546	89.64	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	1359604	91.93	ug/L	100
63) 1,2,4-Trimethylbenzene	10.914	105	1375078	92.33	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	810982	97.14	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	806193	94.31	ug/L	99
67) 1,2-Dichlorobenzene	11.644	146	798482	95.13	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.429	75	126153	85.71	ug/L	96
69) 1,3,5-Trichlorobenzene	12.644	180	700102	106.66	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	645397	118.64	ug/L	99
71) Naphthalene	13.500	128	1815981	121.23	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	624211	114.24	ug/L	99

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

