

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012221\
 Data File : VL036263.D
 Acq On : 22 Jan 2021 11:55
 Operator : SY/AP
 Sample : VL0122ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

Manual Integrations
 APPROVED

MMDadoda
 1/26/2021 12:58:26 PM

Quant Time: Jan 23 04:44:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1606604	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	3596847	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	3261748m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2872723	10.64	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	1954731	9.077	ppbv	98
3) Chlorodifluoromethane	3.00	51	2076109	10.522	ppbv	99
4) Chloromethane	3.15	50	984885	10.099	ppbv	99
5) Vinyl Chloride	3.27	62	974556	10.561	ppbv	96
6) Bromomethane	3.49	94	549726	10.655	ppbv	96
7) Chloroethane	3.57	64	345928	10.885	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	2164598	10.375	ppbv	99
9) Propene	3.02	41	877012	9.334	ppbv	99
10) Heptane	8.15	43	2322821	9.959	ppbv	99
11) Trichlorofluoromethane	3.97	101	2300034	10.505	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.51	101	1448819	10.915	ppbv	98
13) Ethanol	3.62	45	159827m	10.833	ppbv	
14) Bromoethene	3.75	108	628049	10.391	ppbv	98
15) Acetone	3.87	43	1880972	9.560	ppbv	97
16) 1,3-Butadiene	3.34	39	946399	9.873	ppbv	94
17) tert-Butyl alcohol	4.31	59	1548389	9.536	ppbv	99
18) 1,1-Dichloroethene	4.31	96	618798	10.055	ppbv	98
19) Isopropyl Alcohol	3.99	45	1082376	9.125	ppbv	99
20) Methylene Chloride	4.36	84	580666	9.246	ppbv	91
21) Allyl Chloride	4.43	41	1112748	10.390	ppbv	93
22) trans-1,2-Dichloroethene	4.91	96	626688	11.022	ppbv	94
23) Vinyl Acetate	5.10	43	2621951	10.997	ppbv #	96
24) 1,1-Dichloroethane	5.03	63	1831586	10.605	ppbv	98
25) Ethyl Acetate	5.70	43	3938739	9.970	ppbv	100
26) Hexane	5.71	57	1593853	9.691	ppbv	99
27) Carbon Disulfide	4.57	76	1637337	12.450	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	2288169	10.287	ppbv	96
29) Chloroform	5.78	83	2562103	10.880	ppbv	94
30) Cyclohexane	7.15	84	1344146	10.695	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1669459	10.620	ppbv	95
32) 1,1,1-Trichloroethane	6.53	97	2500655	10.979	ppbv	100
34) 2-Butanone	5.27	43	2537680	9.580	ppbv	99
35) Carbon Tetrachloride	7.04	117	2531508	11.139	ppbv	99
36) Benzene	6.92	78	3307362	10.035	ppbv	98
37) 1,2-Dichloroethane	6.33	62	2116750	10.673	ppbv	99
38) Trichloroethene	7.86	130	1110900	9.101	ppbv	95
39) 1,2-Dichloropropane	7.64	63	1352718	10.109	ppbv	98
40) 1,4-Dioxane	7.86	88	443408m	9.160	ppbv	
41) Tetrahydrofuran	6.07	42	1436159	9.382	ppbv	99
42) Bromodichloromethane	7.82	83	2772058	11.121	ppbv	96
43) Methyl Methacrylate	8.04	69	1489566	10.635	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5681679	9.386	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1632473	12.271	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1960721	11.470	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	1308011	10.218	ppbv	95
48) Dibromochloromethane	10.33	129	2112175	11.278	ppbv	100
49) Bromoform	13.07	173	1747364	11.177	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	3946253	9.992	ppbv	100
51) 2-Hexanone	10.16	43	3223444	10.346	ppbv	99
52) Tetrachloroethene	11.25	164	1054776	8.685	ppbv	97
53) Toluene	9.83	91	3706539	10.054	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1958051	10.319	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1588025	10.910	ppbv #	91
57) Chlorobenzene	12.18	112	2576227	10.067	ppbv	98
58) Ethyl Benzene	12.74	91	4996573	10.323	ppbv	98
59) m/p-Xylene	13.03	91	8432422m	20.275	ppbv	
60) o-Xylene	13.72	91	3945818	9.842	ppbv	99
61) Styrene	13.56	104	2758293	10.896	ppbv	98
62) Isopropylbenzene	14.70	105	5857377	9.827	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2839001	9.511	ppbv	100
64) n-propylbenzene	15.59	120	1522561	10.396	ppbv	99
65) tert-Butylbenzene	16.78	119	4959086	9.819	ppbv	100
66) Benzyl Chloride	17.02	91	1881125	14.578	ppbv	99
67) sec-Butylbenzene	17.32	105	7184037	9.582	ppbv	99
69) p-Isopropyltoluene	17.69	119	5885816	9.899	ppbv	99
70) n-Butylbenzene	18.58	91	6320721	9.976	ppbv	99
71) 2-Chlorotoluene	15.48	91	4688878	10.008	ppbv	99
72) 4-Ethyltoluene	15.87	105	4567362	10.096	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	4310202	9.994	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	4399055	9.944	ppbv	98
75) 1,3-Dichlorobenzene	17.03	146	2368784	9.984	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	2325721	9.922	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	2356008	10.167	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1697495	9.159	ppbv	100
79) Naphthalene	22.24	128	3257065	12.596	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	960323	17.405	ppbv	97
81) 1,2,4-Trichlorobenzene	21.97	180	1648483	10.920	ppbv	100

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

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