

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040921\
 Data File : VL036771.D
 Acq On : 9 Apr 2021 12:11
 Operator : SY/AP
 Sample : VL0409ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 5:42:38 PM

Quant Time: Apr 10 03:18:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1400645	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3546775	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3166384	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2097031	8.31	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1874680	8.206	ppbv 98
3) Chlorodifluoromethane	2.98	51	2291357	8.756	ppbv 100
4) Chloromethane	3.13	50	790862	8.556	ppbv 98
5) Vinyl Chloride	3.25	62	816918	8.595	ppbv 97
6) Bromomethane	3.46	94	463951	8.866	ppbv 98
7) Chloroethane	3.55	64	295287	9.042	ppbv 100
8) Dichlorotetrafluoroethane	3.18	85	1893428	8.684	ppbv 98
9) Propene	3.00	41	743661	8.914	ppbv 99
10) Heptane	8.11	43	1959664	9.221	ppbv 99
11) Trichlorofluoromethane	3.94	101	1968527	8.455	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1306414	8.777	ppbv 99
13) Ethanol	3.59	45	88561	8.914	ppbv 100
14) Bromoethene	3.73	108	551777	8.917	ppbv 99
15) Acetone	3.84	43	1103506	8.005	ppbv 100
16) 1,3-Butadiene	3.31	39	815942	8.502	ppbv 96
17) tert-Butyl alcohol	4.28	59	1256971	10.474	ppbv 100
18) 1,1-Dichloroethene	4.28	96	567161	8.566	ppbv 100
19) Isopropyl Alcohol	3.95	45	750373	9.895	ppbv # 96
20) Methylene Chloride	4.33	84	511859	7.930	ppbv 93
21) Allyl Chloride	4.40	41	983534	8.950	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	563112	9.174	ppbv 90
23) Vinyl Acetate	5.06	43	2316676	9.824	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1533002	8.919	ppbv 99
25) Ethyl Acetate	5.67	43	3001532	9.158	ppbv 100
26) Hexane	5.67	57	1388575	9.130	ppbv 99
27) Carbon Disulfide	4.54	76	1456869	9.724	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1705583	9.509	ppbv 100
29) Chloroform	5.74	83	2202866	9.056	ppbv 98
30) Cyclohexane	7.12	84	1155627	9.369	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1372870	9.332	ppbv 91
32) 1,1,1-Trichloroethane	6.50	97	2255289	9.200	ppbv 99
34) 2-Butanone	5.23	43	1507871	8.709	ppbv 98
35) Carbon Tetrachloride	7.01	117	2356729	8.651	ppbv 99
36) Benzene	6.88	78	2922189	8.933	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1657387	8.609	ppbv 99
38) Trichloroethene	7.82	130	1065909	8.373	ppbv 97
39) 1,2-Dichloropropane	7.60	63	1148712	8.657	ppbv 97
40) 1,4-Dioxane	7.82	88	287774	9.318	ppbv # 1
41) Tetrahydrofuran	6.04	42	706873	8.855	ppbv 94
42) Bromodichloromethane	7.78	83	2392378	9.136	ppbv 99
43) Methyl Methacrylate	8.00	69	1059332	9.644	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4931550	8.566	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1291368	10.296	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1576997	9.836	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	1195259	8.893	ppbv	97
48) Dibromochloromethane	10.29	129	1991538	9.721	ppbv	100
49) Bromoform	13.03	173	1634266	9.900	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2290505	9.143	ppbv	99
51) 2-Hexanone	10.13	43	1189052	9.406	ppbv #	98
52) Tetrachloroethene	11.21	164	991512	8.232	ppbv	95
53) Toluene	9.79	91	3272418	9.394	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1738700	9.161	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1326493	9.262	ppbv	97
57) Chlorobenzene	12.14	112	2425532	9.003	ppbv	98
58) Ethyl Benzene	12.70	91	4396026	9.543	ppbv	100
59) m/p-Xylene	12.99	91	7461820m	18.571	ppbv	
60) o-Xylene	13.68	91	3516530	9.052	ppbv	99
61) Styrene	13.52	104	2067520	10.578	ppbv	99
62) Isopropylbenzene	14.66	105	4746342	9.072	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2545461	8.589	ppbv	99
64) n-propylbenzene	15.55	120	1241746	9.708	ppbv	98
65) tert-Butylbenzene	16.73	119	4129491	9.102	ppbv	100
66) Benzyl Chloride	16.98	91	569812	11.363	ppbv	99
67) sec-Butylbenzene	17.29	105	5865955	9.160	ppbv	99
69) p-Isopropyltoluene	17.64	119	4834376	9.667	ppbv	99
70) n-Butylbenzene	18.54	91	4963681	9.573	ppbv	99
71) 2-Chlorotoluene	15.44	91	3681119	9.390	ppbv	100
72) 4-Ethyltoluene	15.83	105	4076335	9.575	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3734765	9.400	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	3902876	9.179	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2251556	9.408	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2173998	9.149	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2181758	9.698	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1614422	8.013	ppbv	99
79) Naphthalene	22.19	128	2612306	10.529	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	419152	8.567	ppbv	93
81) 1,2,4-Trichlorobenzene	21.92	180	1519535	9.919	ppbv	100

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

