

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092721\
 Data File : VL037676.D
 Acq On : 27 Sep 2021 11:57
 Operator : SY/AP
 Sample : VL0927ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2021 11:04:48 AM

Quant Time: Sep 28 02:08:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1626455	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4771318	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4589379m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3315533	10.00	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	2255572	7.664	ppbv	96
3) Chlorodifluoromethane	2.99	51	2746983	8.954	ppbv	99
4) Chloromethane	3.14	50	1044726	9.217	ppbv	97
5) Vinyl Chloride	3.26	62	1056548	9.924	ppbv	98
6) Bromomethane	3.47	94	538524	8.703	ppbv	95
7) Chloroethane	3.56	64	345920	8.694	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2356110	9.280	ppbv	99
9) Propene	3.02	41	1009659	9.330	ppbv	94
10) Heptane	8.13	43	2555763	10.121	ppbv	100
11) Trichlorofluoromethane	3.95	101	2144502	9.076	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1622346	9.302	ppbv	99
13) Ethanol	3.61	45	101015m	9.543	ppbv	
14) Bromoethene	3.74	108	717996	9.044	ppbv	98
15) Acetone	3.85	43	1255800	7.431	ppbv	96
16) 1,3-Butadiene	3.33	39	1014563	9.608	ppbv	99
17) tert-Butyl alcohol	4.29	59	1269444	8.859	ppbv	100
18) 1,1-Dichloroethene	4.29	96	751533	9.250	ppbv	95
19) Isopropyl Alcohol	3.97	45	812161	8.833	ppbv	99
20) Methylene Chloride	4.35	84	648014	8.032	ppbv	98
21) Allyl Chloride	4.41	41	1142376	9.049	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	767705	9.391	ppbv	95
23) Vinyl Acetate	5.07	43	2275978	9.733	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1534138	9.158	ppbv	99
25) Ethyl Acetate	5.68	43	3946109	9.642	ppbv	99
26) Hexane	5.69	57	1859543	9.565	ppbv	99
27) Carbon Disulfide	4.55	76	1794595	10.090	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1667903	9.740	ppbv	98
29) Chloroform	5.75	83	2664075	9.384	ppbv	97
30) Cyclohexane	7.13	84	1557151	9.365	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1701720	9.642	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2508720	9.492	ppbv	99
34) 2-Butanone	5.25	43	1711706	8.828	ppbv	99
35) Carbon Tetrachloride	7.02	117	2633260	9.756	ppbv	100
36) Benzene	6.89	78	3861955	9.707	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1855788	9.484	ppbv	100
38) Trichloroethene	7.83	130	1544735	9.294	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1482294	9.727	ppbv	99
40) 1,4-Dioxane	7.83	88	341269	9.207	ppbv #	1
41) Tetrahydrofuran	6.05	42	894000	9.808	ppbv	99
42) Bromodichloromethane	7.79	83	2806104	10.005	ppbv	98
43) Methyl Methacrylate	8.01	69	1382014	10.441	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6450336	9.644	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1026536	9.874	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1383743	9.853	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1585710	9.407	ppbv	97
48) Dibromochloromethane	10.30	129	2427913	10.324	ppbv	99
49) Bromoform	13.04	173	1992960	10.589	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2527615	10.270	ppbv	99
51) 2-Hexanone	10.13	43	1191548	10.974	ppbv #	99
52) Tetrachloroethene	11.22	164	1409166	9.226	ppbv	99
53) Toluene	9.81	91	4486492	10.145	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2208662	9.569	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1717554	9.022	ppbv	93
57) Chlorobenzene	12.15	112	3266165	8.560	ppbv	97
58) Ethyl Benzene	12.71	91	5646534	9.268	ppbv	100
59) m/p-Xylene	12.99	91	9535182m	17.960	ppbv	
60) o-Xylene	13.69	91	4476161	8.858	ppbv	98
61) Styrene	13.53	104	2561553	10.280	ppbv	100
62) Isopropylbenzene	14.67	105	6290896	8.912	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3272263	8.274	ppbv	100
64) n-propylbenzene	15.56	120	1686559	9.259	ppbv	89
65) tert-Butylbenzene	16.74	119	5506763	8.652	ppbv	100
66) Benzyl Chloride	16.99	91	302816	8.706	ppbv	99
67) sec-Butylbenzene	17.29	105	7678449	8.892	ppbv	99
69) p-Isopropyltoluene	17.65	119	6384220	9.050	ppbv	100
70) n-Butylbenzene	18.54	91	6203713	9.294	ppbv	100
71) 2-Chlorotoluene	15.45	91	4605091	9.103	ppbv	98
72) 4-Ethyltoluene	15.84	105	5481897	9.451	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4874150	9.015	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	5047601	8.863	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	3077042	8.697	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2953311	8.463	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2937088	8.752	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2132046	7.548	ppbv	99
79) Naphthalene	22.19	128	3580160	10.239	ppbv	97
80) Naphthalene,2-methyl-	24.97	142	890268	11.139	ppbv	94
81) 1,2,4-Trichlorobenzene	21.92	180	2148185	9.569	ppbv	99

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

