

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092321\
 Data File : VL037669.D
 Acq On : 23 Sep 2021 19:09
 Operator : SY/AP
 Sample : VL0923ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0923ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:56:31 AM

Quant Time: Sep 24 07:05:04 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	1642822	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4886205	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4339001m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3339585	10.65	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	1748588	5.882	ppbv	100
3) Chlorodifluoromethane	2.99	51	2714959	8.762	ppbv	100
4) Chloromethane	3.15	50	1026204	8.963	ppbv	99
5) Vinyl Chloride	3.26	62	1027282	9.553	ppbv	94
6) Bromomethane	3.48	94	584109	9.345	ppbv	98
7) Chloroethane	3.56	64	342725	8.528	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2294979	8.949	ppbv	98
9) Propene	3.02	41	964547	8.824	ppbv	96
10) Heptane	8.13	43	2539588	9.957	ppbv	100
11) Trichlorofluoromethane	3.95	101	2160996	9.054	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1589479	9.023	ppbv	100
13) Ethanol	3.62	45	94885	8.875	ppbv	94
14) Bromoethene	3.74	108	737164	9.193	ppbv	98
15) Acetone	3.85	43	1225352	7.179	ppbv	97
16) 1,3-Butadiene	3.33	39	1001626	9.391	ppbv	100
17) tert-Butyl alcohol	4.29	59	1308191	9.038	ppbv	99
18) 1,1-Dichloroethene	4.29	96	712610	8.683	ppbv	96
19) Isopropyl Alcohol	3.97	45	744498	8.016	ppbv #	96
20) Methylene Chloride	4.35	84	601784	7.385	ppbv	96
21) Allyl Chloride	4.42	41	1192909	9.355	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	724214	8.771	ppbv	98
23) Vinyl Acetate	5.08	43	2425180	10.268	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1542783	9.118	ppbv	98
25) Ethyl Acetate	5.68	43	3829136	9.263	ppbv	100
26) Hexane	5.69	57	1823372	9.285	ppbv	99
27) Carbon Disulfide	4.56	76	1754260	9.765	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1742008	10.071	ppbv	98
29) Chloroform	5.76	83	2634890	9.189	ppbv	99
30) Cyclohexane	7.14	84	1569392	9.344	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1699681	9.534	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	2487654	9.318	ppbv	99
34) 2-Butanone	5.25	43	1730043	8.713	ppbv	99
35) Carbon Tetrachloride	7.02	117	2614168	9.458	ppbv	99
36) Benzene	6.90	78	3822196	9.381	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1841893	9.192	ppbv	99
38) Trichloroethene	7.84	130	1514187	8.896	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1446003	9.266	ppbv	96
40) 1,4-Dioxane	7.84	88	331804	8.741	ppbv #	1
41) Tetrahydrofuran	6.06	42	868744	9.307	ppbv	99
42) Bromodichloromethane	7.80	83	2767148	9.635	ppbv	97
43) Methyl Methacrylate	8.02	69	1367948	10.092	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6381697	9.317	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1179416	11.077	ppbv	94
46) cis-1,3-Dichloropropene	8.71	75	1543279	10.731	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1544882	8.949	ppbv	97
48) Dibromochloromethane	10.31	129	2399295	9.963	ppbv	100
49) Bromoform	13.04	173	1844244	9.568	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	2478194	9.833	ppbv	99
51) 2-Hexanone	10.14	43	1091777	9.818	ppbv #	99
52) Tetrachloroethene	11.23	164	1367015	8.739	ppbv	95
53) Toluene	9.81	91	4380287	9.672	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2149710	9.095	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1668412	9.270	ppbv #	50
57) Chlorobenzene	12.15	112	3194776	8.856	ppbv	98
58) Ethyl Benzene	12.71	91	5526920	9.596	ppbv	99
59) m/p-Xylene	13.00	91	9188649m	18.306	ppbv	
60) o-Xylene	13.70	91	4311586	9.025	ppbv	98
61) Styrene	13.53	104	2444217	10.375	ppbv	99
62) Isopropylbenzene	14.67	105	5923759	8.876	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	3089285	8.263	ppbv	99
64) n-propylbenzene	15.56	120	1611922	9.359	ppbv	88
65) tert-Butylbenzene	16.75	119	5311580	8.827	ppbv	100
66) Benzyl Chloride	16.99	91	314698	9.570	ppbv	98
67) sec-Butylbenzene	17.29	105	7372335	9.030	ppbv	99
69) p-Isopropyltoluene	17.65	119	6153706	9.226	ppbv	100
70) n-Butylbenzene	18.55	91	5956180	9.438	ppbv	99
71) 2-Chlorotoluene	15.46	91	4379169	9.156	ppbv	99
72) 4-Ethyltoluene	15.84	105	5153205	9.397	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4632748	9.063	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4800178	8.915	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	2936687	8.779	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2782944	8.435	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2831536	8.924	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	2243889	8.403	ppbv	99
79) Naphthalene	22.19	128	3939813	11.917	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	1008003	13.340	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	2279122	10.738	ppbv	99

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

