

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090921\
 Data File : VL037596.D
 Acq On : 9 Sep 2021 13:24
 Operator : SY/AP
 Sample : VL0909ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0909ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 6:37:10 PM

Quant Time: Sep 10 02:54:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 10 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1490121	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4511197	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	4201448	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2990608	10.02	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1838631	7.690	ppbv	94
3) Chlorodifluoromethane	3.00	51	2900231	10.164	ppbv	100
4) Chloromethane	3.15	50	1056834	10.365	ppbv	94
5) Vinyl Chloride	3.27	62	1090508	10.439	ppbv	97
6) Bromomethane	3.48	94	591259	10.332	ppbv	100
7) Chloroethane	3.57	64	368066	10.323	ppbv	94
8) Dichlorotetrafluoroethane	3.20	85	2388061	9.675	ppbv	99
9) Propene	3.02	41	1062247	10.405	ppbv	97
10) Heptane	8.14	43	2669224	11.359	ppbv	98
11) Trichlorofluoromethane	3.96	101	2186481	9.742	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1777240	10.792	ppbv	98
13) Ethanol	3.62	45	104656m	10.534	ppbv	
14) Bromoethene	3.75	108	749402	10.023	ppbv	98
15) Acetone	3.86	43	1278748	8.432	ppbv	99
16) 1,3-Butadiene	3.34	39	1044205	10.734	ppbv	98
17) tert-Butyl alcohol	4.30	59	1581737	11.418	ppbv	100
18) 1,1-Dichloroethene	4.30	96	786258	10.510	ppbv	98
19) Isopropyl Alcohol	3.98	45	876552	10.089	ppbv #	97
20) Methylene Chloride	4.36	84	669683	8.820	ppbv	97
21) Allyl Chloride	4.42	41	1299070	10.547	ppbv	95
22) trans-1,2-Dichloroethene	4.90	96	832863	11.159	ppbv	97
23) Vinyl Acetate	5.09	43	2158081	9.654	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1656409	10.217	ppbv	99
25) Ethyl Acetate	5.69	43	4036274	10.484	ppbv	99
26) Hexane	5.70	57	1942763	10.321	ppbv	99
27) Carbon Disulfide	4.56	76	1936517	11.544	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1719219	9.510	ppbv	99
29) Chloroform	5.77	83	2690498	10.086	ppbv	99
30) Cyclohexane	7.14	84	1676961	10.692	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1796493	10.545	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2619856	9.996	ppbv	99
34) 2-Butanone	5.26	43	1428480	7.754	ppbv	99
35) Carbon Tetrachloride	7.03	117	2717094	10.191	ppbv	97
36) Benzene	6.91	78	4062473	10.712	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1971528	10.495	ppbv	100
38) Trichloroethene	7.85	130	1618296	10.401	ppbv	97
39) 1,2-Dichloropropane	7.63	63	1536394	10.543	ppbv	99
40) 1,4-Dioxane	7.85	88	298038m	8.348	ppbv	
41) Tetrahydrofuran	6.06	42	956781	10.782	ppbv	99
42) Bromodichloromethane	7.81	83	2889664	10.520	ppbv	95
43) Methyl Methacrylate	8.03	69	1458815	11.037	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6717433	10.525	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1281567	12.880	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1696090	12.220	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	1605367	10.196	ppbv	99
48) Dibromochloromethane	10.32	129	2524842	11.143	ppbv	100
49) Bromoform	13.05	173	1992430	11.155	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2671790	11.117	ppbv	99
51) 2-Hexanone	10.15	43	1262608	11.422	ppbv #	99
52) Tetrachloroethene	11.23	164	1518158	9.769	ppbv	95
53) Toluene	9.82	91	4687335	10.825	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2330990	10.604	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1730208	9.883	ppbv	99
57) Chlorobenzene	12.16	112	3417231	9.801	ppbv	98
58) Ethyl Benzene	12.73	91	5935255	10.180	ppbv	99
59) m/p-Xylene	13.01	91	9802567m	19.393	ppbv	
60) o-Xylene	13.71	91	4633371	9.821	ppbv	98
61) Styrene	13.54	104	2620963	10.695	ppbv	99
62) Isopropylbenzene	14.68	105	6196590	9.307	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.69	83	3135939	8.944	ppbv	99
64) n-propylbenzene	15.57	120	1625952	9.596	ppbv	93
65) tert-Butylbenzene	16.76	119	5435472	8.964	ppbv	99
66) Benzyl Chloride	17.00	91	340771	12.423	ppbv	97
67) sec-Butylbenzene	17.31	105	7507748	8.861	ppbv	100
69) p-Isopropyltoluene	17.67	119	6257359	9.063	ppbv	99
70) n-Butylbenzene	18.56	91	6140918	9.307	ppbv	100
71) 2-Chlorotoluene	15.47	91	4501953	9.220	ppbv	99
72) 4-Ethyltoluene	15.85	105	5135971	9.153	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4943420	9.464	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4978460	8.969	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	2829241	8.468	ppbv	97
76) 1,4-Dichlorobenzene	17.15	146	2944573	8.749	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2832833	8.611	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	2519574	9.211	ppbv	99
79) Naphthalene	22.21	128	4804106	12.934	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	1140325	11.020	ppbv	92
81) 1,2,4-Trichlorobenzene	21.94	180	2640864	11.330	ppbv	99

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

