

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110221\
 Data File : VL037965.D
 Acq On : 2 Nov 2021 11:40
 Operator : SY/AP
 Sample : VL1102ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1102ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2021
 Supervised By : Mahesh Dadoda 11/09/2021

Quant Time: Nov 03 03:49:35 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 03 03:49:35 2021

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.652	49	1434355	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.160	114	4194929	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.063	117	3738021m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 2825172 10.398 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	2035018	10.070	ppbv	97
3) Chlorodifluoromethane	2.986	51	2450724	9.178	ppbv	100
4) Chloromethane	3.137	50	931252	9.177	ppbv	98
5) Vinyl Chloride	3.250	62	943655	9.649	ppbv	100
6) Bromomethane	3.469	94	529080	10.014	ppbv	94
7) Chloroethane	3.555	64	331195	9.381	ppbv	99
8) Dichlorotetrafluoroethane	3.182	85	2122847	9.119	ppbv	100
9) Propene	3.006	41	898207	9.382	ppbv	94
10) Heptane	8.105	43	2304376	10.346	ppbv	100
11) Trichlorofluoromethane	3.941	101	1944162	9.661	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.475	101	1504311	9.590	ppbv	98
13) Ethanol	3.604	45	78744m	8.153	ppbv	
14) Bromoethene	3.732	108	664253	9.680	ppbv	99
15) Acetone	3.842	43	1074511	9.066	ppbv	100
16) 1,3-Butadiene	3.324	39	915553	9.803	ppbv	99
17) tert-Butyl alcohol	4.279	59	1217897	9.882	ppbv	98
18) 1,1-Dichloroethene	4.279	96	654805	9.070	ppbv	99
19) Isopropyl Alcohol	3.954	45	697151	9.198	ppbv #	97
20) Methylene Chloride	4.333	84	555008	8.529	ppbv	94
21) Allyl Chloride	4.404	41	1108162	10.133	ppbv	100
22) trans-1,2-Dichloroethene	4.874	96	710406	9.903	ppbv	92
23) Vinyl Acetate	5.060	43	1783825	9.995	ppbv	99
24) 1,1-Dichloroethane	4.999	63	1409936	9.563	ppbv	99
25) Ethyl Acetate	5.665	43	3522030	10.005	ppbv	99
26) Hexane	5.674	57	1645201	9.864	ppbv	99
27) Carbon Disulfide	4.539	76	1728413	10.497	ppbv	98
28) Methyl tert-Butyl Ether	5.022	73	1350733	9.633	ppbv	97
29) Chloroform	5.739	83	2326401	9.353	ppbv	99
30) Cyclohexane	7.115	84	1392402	9.766	ppbv	99
31) cis-1,2-Dichloroethene	5.536	61	1517475	9.972	ppbv	99
32) 1,1,1-Trichloroethane	6.497	97	2244705	9.181	ppbv	99
34) 2-Butanone	5.231	43	1542454	9.923	ppbv	99
35) Carbon Tetrachloride	7.002	117	2337326	9.216	ppbv	97
36) Benzene	6.874	78	3411480	9.986	ppbv	100
37) 1,2-Dichloroethane	6.292	62	1582961	9.747	ppbv	99
38) Trichloroethene	7.819	130	1351271	9.530	ppbv	97
39) 1,2-Dichloropropane	7.597	63	1306090	10.161	ppbv	95
40) 1,4-Dioxane	7.819	88	284647	8.409	ppbv #	1
41) Tetrahydrofuran	6.034	42	789475	10.380	ppbv	100
42) Bromodichloromethane	7.774	83	2438889	9.932	ppbv	99
43) Methyl Methacrylate	7.996	69	1244229	11.096	ppbv	99
44) 2,2,4-Trimethylpentane	7.854	57	5796229	9.975	ppbv	99
45) t-1,3-Dichloropropene	9.259	75	1002035	12.162	ppbv	98

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QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.684	75	1323840	11.686	ppbv	96
47) 1,1,2-Trichloroethane	9.452	97	1388220	9.612	ppbv	99
48) Dibromochloromethane	10.285	129	2183499	10.678	ppbv	99
49) Bromoform	13.018	173	1766389	10.928	ppbv	99
50) 4-Methyl-2-Pentanone	8.722	43	2215262	10.847	ppbv	99
51) 2-Hexanone	10.118	43	954881	11.093	ppbv	97
52) Tetrachloroethene	11.205	164	1243156	9.593	ppbv	96
53) Toluene	9.787	91	3979265	10.865	ppbv	100
54) 1,2-Dibromoethane	10.590	107	1961238	10.529	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.102	131	1483100	9.827	ppbv #	59
57) Chlorobenzene	12.124	112	2900872	9.723	ppbv	96
58) Ethyl Benzene	12.690	91	5014243	10.969	ppbv	100
59) m/p-Xylene	12.973	91	8504884m	20.932	ppbv	
60) o-Xylene	13.674	91	3940480	10.286	ppbv	99
61) Styrene	13.507	104	2230376	12.677	ppbv	99
62) Isopropylbenzene	14.645	105	5459429	10.065	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.655	83	2889653	8.764	ppbv	98
64) n-propylbenzene	15.539	120	1473406	10.601	ppbv	98
65) tert-Butylbenzene	16.722	119	4764344	9.939	ppbv	100
66) Benzyl Chloride	16.963	91	301058	12.019	ppbv	99
67) sec-Butylbenzene	17.272	105	6604482	10.000	ppbv	100
69) p-Isopropyltoluene	17.629	119	5448355	10.285	ppbv	99
70) n-Butylbenzene	18.526	91	5251184	10.787	ppbv	99
71) 2-Chlorotoluene	15.430	91	4043054	10.639	ppbv	100
72) 4-Ethyltoluene	15.815	105	4794950	10.926	ppbv	98
73) 1,3,5-Trimethylbenzene	15.976	105	4228680	10.289	ppbv	99
74) 1,2,4-Trimethylbenzene	16.741	105	4349556	10.102	ppbv	99
75) 1,3-Dichlorobenzene	16.970	146	2639919	9.848	ppbv	99
76) 1,4-Dichlorobenzene	17.111	146	2551011	9.834	ppbv	100
77) 1,2-Dichlorobenzene	17.793	146	2479089	9.849	ppbv	99
78) Hexachloro-1,3-Butadiene	23.349	225	1825495	8.473	ppbv	98
79) Naphthalene	22.162	128	3204403	12.918	ppbv	99
80) Naphthalene,2-methyl-	24.950	142	814432	16.865	ppbv	98
81) 1,2,4-Trichlorobenzene	21.895	180	1821090	11.279	ppbv	99

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

