

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
 Data File : VL039548.D
 Acq On : 17 Aug 2022 14:48
 Operator : SY/AP
 Sample : VL0817ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0817ABS02

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/18/2022
 Supervised By : Mahesh Dadoda 08/19/2022

Quant Time: Aug 18 05:37:43 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 17 12:06:24 2022

QLast Update : Wed Aug 17 12:06:24 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1120582	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2918070	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2862988	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2144573 9.950 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.751	85	1278503	8.488	ppbv	100
3) Chlorodifluoromethane	2.697	51	1213315	9.034	ppbv	98
4) Chloromethane	2.835	50	728940	9.077	ppbv	98
5) Vinyl Chloride	2.941	62	628807	9.081	ppbv	100
6) Bromomethane	3.140	94	252530	8.907	ppbv	99
7) Chloroethane	3.218	64	233904	9.488	ppbv	98
8) Dichlorotetrafluoroethane	2.880	85	1460933	9.033	ppbv	100
9) Propene	2.716	41	582424	9.519	ppbv	99
10) Heptane	7.590	43	1400263	9.853	ppbv	100
11) Trichlorofluoromethane	3.584	101	1461108	8.832	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.086	101	1089190	8.912	ppbv	98
13) Ethanol	3.263	45	50743	11.524	ppbv	86
14) Bromoethene	3.388	108	463424	9.279	ppbv	97
15) Acetone	3.488	43	1126119	8.895	ppbv	99
16) 1,3-Butadiene	3.005	39	582099	8.853	ppbv	93
17) tert-Butyl alcohol	3.896	59	1057691	9.783	ppbv	99
18) 1,1-Dichloroethene	3.899	96	495321	8.989	ppbv	98
19) Isopropyl Alcohol	3.591	45	635404	10.269	ppbv #	100
20) Methylene Chloride	3.951	84	405339	7.863	ppbv	95
21) Allyl Chloride	4.015	41	782653	9.514	ppbv	99
22) trans-1,2-Dichloroethene	4.462	96	491835	8.984	ppbv	96
23) Vinyl Acetate	4.642	43	582687	9.154	ppbv #	97
24) 1,1-Dichloroethane	4.581	63	1031690	9.210	ppbv	100
25) Ethyl Acetate	5.218	43	2545434	9.430	ppbv	99
26) Hexane	5.224	57	1021808	9.231	ppbv	99
27) Carbon Disulfide	4.140	76	1234512	10.453	ppbv	98
28) Methyl tert-Butyl Ether	4.603	73	894890	9.194	ppbv	99
29) Chloroform	5.288	83	1558726	8.996	ppbv	97
30) Cyclohexane	6.610	84	860647	9.363	ppbv #	100
31) cis-1,2-Dichloroethene	5.092	61	1016948	9.501	ppbv	99
32) 1,1,1-Trichloroethane	6.015	97	1515739	9.327	ppbv	99
34) 2-Butanone	4.803	43	1439513	9.812	ppbv	99
35) Carbon Tetrachloride	6.504	117	1564690	9.531	ppbv	98
36) Benzene	6.381	78	2179831	9.801	ppbv	99
37) 1,2-Dichloroethane	5.819	62	1161203	9.398	ppbv	100
38) Trichloroethene	7.298	130	1192426	9.870	ppbv	96
39) 1,2-Dichloropropane	7.082	63	835462	10.023	ppbv	97
40) 1,4-Dioxane	7.298	88	324918	9.825	ppbv	97
41) Tetrahydrofuran	5.571	42	891563	10.330	ppbv	99
42) Bromodichloromethane	7.256	83	1660069	9.831	ppbv	98
43) Methyl Methacrylate	7.488	69	853307	10.596	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	3649794	9.741	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	837357	11.823	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1127825	11.573	ppbv	97
47) 1,1,2-Trichloroethane	8.909	97	892371	9.343	ppbv	100
48) Dibromochloromethane	9.716	129	1461258	10.290	ppbv	99
49) Bromoform	12.413	173	1213300	10.328	ppbv #	100
50) 4-Methyl-2-Pentanone	8.188	43	2274848	10.078	ppbv	99
51) 2-Hexanone	9.558	43	1761249	10.586	ppbv #	99
52) Tetrachloroethene	10.619	164	811038	9.310	ppbv	97
53) Toluene	9.227	91	2538568	10.188	ppbv	100
54) 1,2-Dibromoethane	10.012	107	1078304	9.897	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.513	131	1068598	9.068	ppbv	99
57) Chlorobenzene	11.532	112	1917923	8.910	ppbv	97
58) Ethyl Benzene	12.092	91	3314667	9.998	ppbv	100
59) m/p-Xylene	12.378	91	5607965m	18.813	ppbv	
60) o-Xylene	13.063	91	2672017	9.349	ppbv	99
61) Styrene	12.902	104	1644528	10.786	ppbv	100
62) Isopropylbenzene	14.037	105	3904031	9.027	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	1096781	7.632	ppbv	100
64) n-propylbenzene	14.921	120	1003500	8.898	ppbv	97
65) tert-Butylbenzene	16.098	119	3414586	8.855	ppbv	100
66) Benzyl Chloride	16.333	91	314679	9.510	ppbv #	90
67) sec-Butylbenzene	16.641	105	4773275	8.765	ppbv	100
69) p-Isopropyltoluene	16.998	119	4021656	8.865	ppbv	100
70) n-Butylbenzene	17.892	91	3972433	8.820	ppbv	100
71) 2-Chlorotoluene	14.802	91	2868196	9.151	ppbv	99
72) 4-Ethyltoluene	15.198	105	3145866	9.369	ppbv #	100
73) 1,3,5-Trimethylbenzene	15.359	105	2796233	9.118	ppbv	98
74) 1,2,4-Trimethylbenzene	16.111	105	3023476	8.843	ppbv	99
75) 1,3-Dichlorobenzene	16.333	146	1791934	8.627	ppbv	100
76) 1,4-Dichlorobenzene	16.477	146	1738913	8.360	ppbv	97
77) 1,2-Dichlorobenzene	17.146	146	1715763	8.430	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1416732	8.763	ppbv #	100
79) Naphthalene	21.384	128	2991267	12.287	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	1336933	13.897	ppbv #	100
81) 1,2,4-Trichlorobenzene	21.143	180	1652208	10.182	ppbv #	100

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

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