

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
 Data File : VL039547.D
 Acq On : 17 Aug 2022 13:56
 Operator : SY/AP
 Sample : VL0817ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0817ABS01

Quant Time: Aug 18 05:37:13 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	5.204	49	1041522	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2787808	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2658622m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.776	95	2087678	10.431	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	1269531	9.069	ppbv	98
3) Chlorodifluoromethane	2.835	51	34834	0.279	ppbv #	59
4) Chloromethane	2.832	50	691070	9.259	ppbv	97
5) Vinyl Chloride	2.941	62	587386	9.126	ppbv	99
6) Bromomethane	3.140	94	236660	8.980	ppbv	91
7) Chloroethane	3.214	64	224189	9.784	ppbv	100
8) Dichlorotetrafluoroethane	2.877	85	1455198	9.680	ppbv	99
9) Propene	2.716	41	522413	9.187	ppbv #	22
10) Heptane	7.584	43	1362855	10.318	ppbv	99
11) Trichlorofluoromethane	3.581	101	1447794	9.415	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.082	101	1056576	9.301	ppbv	99
13) Ethanol	3.256	45	43279	10.575	ppbv	94
14) Bromoethene	3.385	108	443928	9.563	ppbv	97
15) Acetone	3.484	43	1086460	9.233	ppbv	100
16) 1,3-Butadiene	3.005	39	589921	9.653	ppbv	98
17) tert-Butyl alcohol	3.893	59	1042373	10.374	ppbv	100
18) 1,1-Dichloroethene	3.896	96	476325	9.300	ppbv	96
19) Isopropyl Alcohol	3.590	45	615612	10.705	ppbv #	100
20) Methylene Chloride	3.950	84	400489	8.359	ppbv	94
21) Allyl Chloride	4.012	41	751734	9.832	ppbv	99
22) trans-1,2-Dichloroethene	4.462	96	498083	9.789	ppbv	95
23) Vinyl Acetate	4.639	43	565751	9.563	ppbv	96
24) 1,1-Dichloroethane	4.577	63	1014882	9.748	ppbv	98
25) Ethyl Acetate	5.217	43	2439618	9.724	ppbv	100
26) Hexane	5.224	57	999854	9.718	ppbv	98
27) Carbon Disulfide	4.140	76	1191788	10.857	ppbv	99
28) Methyl tert-Butyl Ether	4.603	73	853643	9.436	ppbv	100
29) Chloroform	5.285	83	1552305	9.639	ppbv	99
30) Cyclohexane	6.610	84	839903	9.831	ppbv #	100
31) cis-1,2-Dichloroethene	5.089	61	955444	9.604	ppbv	98
32) 1,1,1-Trichloroethane	6.011	97	1481016	9.806	ppbv	99
34) 2-Butanone	4.799	43	1341771	9.573	ppbv	98
35) Carbon Tetrachloride	6.503	117	1568865	10.003	ppbv	99
36) Benzene	6.378	78	2083829	9.807	ppbv	98
37) 1,2-Dichloroethane	5.815	62	1151671	9.757	ppbv	100
38) Trichloroethene	7.298	130	1190926	10.318	ppbv	97
39) 1,2-Dichloropropane	7.082	63	795016	9.984	ppbv	97
40) 1,4-Dioxane	7.291	88	324123	10.259	ppbv	92
41) Tetrahydrofuran	5.568	42	859358	10.422	ppbv	98
42) Bromodichloromethane	7.253	83	1634090	10.130	ppbv	99
43) Methyl Methacrylate	7.484	69	817817	10.630	ppbv	98
44) 2,2,4-Trimethylpentane	7.333	57	3549872	9.917	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	806989	11.927	ppbv	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1094796	11.759	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	852755	9.345	ppbv	97
48) Dibromochloromethane	9.712	129	1451464	10.698	ppbv	99
49) Bromoform	12.410	173	1195595	10.653	ppbv #	100
50) 4-Methyl-2-Pentanone	8.185	43	2246072	10.416	ppbv	99
51) 2-Hexanone	9.555	43	1737628	10.932	ppbv #	99
52) Tetrachloroethene	10.619	164	798526	9.594	ppbv	99
53) Toluene	9.227	91	2478360	10.411	ppbv	100
54) 1,2-Dibromoethane	10.015	107	1055350	10.138	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.513	131	1051708	9.611	ppbv	97
57) Chlorobenzene	11.529	112	1883659	9.424	ppbv	96
58) Ethyl Benzene	12.095	91	3263995	10.602	ppbv	99
59) m/p-Xylene	12.378	91	5531393m	19.983	ppbv	
60) o-Xylene	13.063	91	2650961	9.989	ppbv	100
61) Styrene	12.899	104	1617335	11.423	ppbv	100
62) Isopropylbenzene	14.034	105	3857320	9.604	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	1085366	8.133	ppbv	100
64) n-propylbenzene	14.921	120	1014264	9.685	ppbv	98
65) tert-Butylbenzene	16.095	119	3398316	9.490	ppbv	99
66) Benzyl Chloride	16.333	91	302303	9.839	ppbv #	91
67) sec-Butylbenzene	16.641	105	4712424	9.319	ppbv	100
69) p-Isopropyltoluene	16.998	119	3949521	9.375	ppbv	99
70) n-Butylbenzene	17.889	91	3946488	9.436	ppbv	99
71) 2-Chlorotoluene	14.802	91	2854375	9.807	ppbv	99
72) 4-Ethyltoluene	15.198	105	3106707	9.964	ppbv #	100
73) 1,3,5-Trimethylbenzene	15.352	105	2787116	9.787	ppbv	98
74) 1,2,4-Trimethylbenzene	16.114	105	3004617	9.463	ppbv	93
75) 1,3-Dichlorobenzene	16.336	146	1805490	9.361	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1738265	8.999	ppbv	97
77) 1,2-Dichlorobenzene	17.146	146	1691734	8.951	ppbv	99
78) Hexachloro-1,3-Butadiene	22.635	225	1395775	9.297	ppbv #	100
79) Naphthalene	21.384	128	2930566	12.963	ppbv	99
80) Naphthalene,2-methyl-	24.381	142	1305396	14.612	ppbv #	100
81) 1,2,4-Trichlorobenzene	21.143	180	1623451	10.773	ppbv #	100

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

