

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039086.D
 Acq On : 23 May 2022 14:54
 Operator : SY/AP
 Sample : VL0523ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABS01

Quant Time: May 24 05:58:13 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 26 12:58:54 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/25/2022
 Supervised By : Mahesh Dadoda 05/26/2022

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

Internal Standards						
1) Bromochloromethane	5.652	49	885316	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.160	114	2054248	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.063	117	1942350	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.391	95	1680211	10.923	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 109.200%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.044	85	1071940	7.728	ppbv	95
3) Chlorodifluoromethane	2.986	51	1118927	10.185	ppbv	97
4) Chloromethane	3.137	50	480742	8.738	ppbv	92
5) Vinyl Chloride	3.253	62	515321	10.258	ppbv	95
6) Bromomethane	3.468	94	246846	10.401	ppbv	93
7) Chloroethane	3.552	64	184484	10.972	ppbv	93
8) Dichlorotetrafluoroethane	3.182	85	1352981	10.762	ppbv	98
9) Propene	3.005	41	412699	8.602	ppbv	95
10) Heptane	8.105	43	1103695	9.377	ppbv	99
11) Trichlorofluoromethane	3.944	101	1327629	11.155	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.475	101	924322	11.274	ppbv	99
13) Ethanol	3.594	45	47852m	14.094	ppbv	
14) Bromoethene	3.732	108	377109	11.154	ppbv	96
15) Acetone	3.838	43	922451	11.046	ppbv	99
16) 1,3-Butadiene	3.324	39	505637	10.538	ppbv	98
17) tert-Butyl alcohol	4.272	59	732892	11.418	ppbv	99
18) 1,1-Dichloroethene	4.279	96	409632	11.609	ppbv	98
19) Isopropyl Alcohol	3.947	45	490117	12.343	ppbv #	94
20) Methylene Chloride	4.333	84	349900	11.117	ppbv	96
21) Allyl Chloride	4.404	41	595905	10.472	ppbv	97
22) trans-1,2-Dichloroethene	4.873	96	410961	10.782	ppbv	100
23) Vinyl Acetate	5.057	43	731818	11.075	ppbv	99
24) 1,1-Dichloroethane	4.996	63	826693	10.865	ppbv	99
25) Ethyl Acetate	5.661	43	2172154	10.867	ppbv	99
26) Hexane	5.674	57	855132	9.629	ppbv	91
27) Carbon Disulfide	4.539	76	946872	11.223	ppbv	99
28) Methyl tert-Butyl Ether	5.021	73	806433	11.935	ppbv	99
29) Chloroform	5.738	83	1473173	10.253	ppbv	99
30) Cyclohexane	7.115	84	681519	9.165	ppbv	98
31) cis-1,2-Dichloroethene	5.536	61	904984	10.002	ppbv	97
32) 1,1,1-Trichloroethane	6.494	97	1541036	10.726	ppbv	99
34) 2-Butanone	5.230	43	1159840	11.067	ppbv	99
35) Carbon Tetrachloride	7.005	117	1628202	12.029	ppbv	98
36) Benzene	6.873	78	1683578	9.577	ppbv	97
37) 1,2-Dichloroethane	6.291	62	1248349	11.477	ppbv	97
38) Trichloroethene	7.819	130	658841	8.430	ppbv	98
39) 1,2-Dichloropropane	7.600	63	679197m	9.929	ppbv	
40) 1,4-Dioxane	7.812	88	240273	9.780	ppbv	94
41) Tetrahydrofuran	6.034	42	656370	9.319	ppbv	99
42) Bromodichloromethane	7.774	83	1646215	11.070	ppbv	97
43) Methyl Methacrylate	7.996	69	753652	10.560	ppbv	97
44) 2,2,4-Trimethylpentane	7.851	57	2942841	9.540	ppbv	97
45) t-1,3-Dichloropropene	9.259	75	631858	9.146	ppbv	99

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46) cis-1,3-Dichloropropene	8.687	75	860248	9.390	ppbv	99
47) 1,1,2-Trichloroethane	9.455	97	689392	9.690	ppbv	98
48) Dibromochloromethane	10.285	129	1327348	11.463	ppbv	100
49) Bromoform	13.018	173	1058927	11.991	ppbv	100
50) 4-Methyl-2-Pentanone	8.719	43	1830390	9.960	ppbv	100
51) 2-Hexanone	10.111	43	1379766	10.287	ppbv	96
52) Tetrachloroethene	11.204	164	617547	9.830	ppbv	98
53) Toluene	9.786	91	1947831	9.885	ppbv	99
54) 1,2-Dibromoethane	10.587	107	1047354	10.814	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.105	131	942465	11.059	ppbv	98
57) Chlorobenzene	12.124	112	1429775	9.820	ppbv	99
58) Ethyl Benzene	12.690	91	2742926	9.813	ppbv	96
59) m/p-Xylene	12.973	91	4842945m	20.295	ppbv	
60) o-Xylene	13.671	91	2319718	10.328	ppbv	99
61) Styrene	13.507	104	1199347	10.002	ppbv	98
62) Isopropylbenzene	14.645	105	3499033	10.653	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.654	83	1577601	11.929	ppbv	99
64) n-propylbenzene	15.539	120	873045	10.994	ppbv	99
65) tert-Butylbenzene	16.722	119	3142134	10.918	ppbv	98
66) Benzyl Chloride	16.966	91	216426	5.753	ppbv	99
67) sec-Butylbenzene	17.268	105	4478438	10.893	ppbv	99
69) p-Isopropyltoluene	17.629	119	3679944	11.079	ppbv	99
70) n-Butylbenzene	18.526	91	3929873	11.136	ppbv	99
71) 2-Chlorotoluene	15.429	91	2680216	10.585	ppbv	99
72) 4-Ethyltoluene	15.815	105	2747805	10.736	ppbv	99
73) 1,3,5-Trimethylbenzene	15.973	105	2497557	10.840	ppbv	99
74) 1,2,4-Trimethylbenzene	16.738	105	2751296	10.906	ppbv	98
75) 1,3-Dichlorobenzene	16.969	146	1517563	10.979	ppbv	99
76) 1,4-Dichlorobenzene	17.114	146	1435996	10.560	ppbv	97
77) 1,2-Dichlorobenzene	17.793	146	1468212	10.740	ppbv	99
78) Hexachloro-1,3-Butadiene	23.349	225	1167406	9.292	ppbv	100
79) Naphthalene	22.165	128	2070403	10.103	ppbv	100
80) Naphthalene,2-methyl-	24.947	142	440059	7.099	ppbv	94
81) 1,2,4-Trichlorobenzene	21.898	180	1149595	9.573	ppbv	98

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

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Supervised By :Mahesh Dadoda 05/26/2022

[illegible]