

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072022\
 Data File : VL039510.D
 Acq On : 20 Jul 2022 14:37
 Operator : SY/AP
 Sample : VISTCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 21 06:06:12 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 20 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/21/2022
 Supervised By : Mahesh Dadoda 07/21/2022

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

Internal Standards						
1) Bromochloromethane	5.681	49	997848	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.192	114	2780222	10.000	ppbv	0.04
55) Chlorobenzene-d5	12.101	117	2681895	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.429	95	2096632	10.538	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.060	85	1052464	7.312	ppbv	100
3) Chlorodifluoromethane	2.999	51	1290439	10.193	ppbv	99
4) Chloromethane	3.153	50	685490	9.900	ppbv	98
5) Vinyl Chloride	3.272	62	686207	10.051	ppbv	99
6) Bromomethane	3.488	94	301513	10.493	ppbv	98
7) Chloroethane	3.571	64	258937	10.663	ppbv	100
8) Dichlorotetrafluoroethane	3.202	85	1488574	9.468	ppbv	100
9) Propene	3.021	41	553886	9.688	ppbv	99
10) Heptane	8.140	43	1456578	10.878	ppbv	100
11) Trichlorofluoromethane	3.964	101	1653587	10.310	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.500	101	1202934	10.061	ppbv	97
13) Ethanol	3.616	45	25333m	7.637	ppbv	
14) Bromoethene	3.751	108	520964	10.364	ppbv	98
15) Acetone	3.861	43	1227610	10.399	ppbv	99
16) 1,3-Butadiene	3.340	39	656169	10.712	ppbv	99
17) tert-Butyl alcohol	4.295	59	1129730	11.275	ppbv	98
18) 1,1-Dichloroethene	4.301	96	555190	10.250	ppbv	95
19) Isopropyl Alcohol	3.973	45	640258	10.168	ppbv #	97
20) Methylene Chloride	4.359	84	456702	9.706	ppbv	99
21) Allyl Chloride	4.427	41	859116	10.507	ppbv	99
22) trans-1,2-Dichloroethene	4.899	96	564709	10.770	ppbv	96
23) Vinyl Acetate	5.086	43	923960	11.712	ppbv #	97
24) 1,1-Dichloroethane	5.025	63	1222780	10.974	ppbv	99
25) Ethyl Acetate	5.690	43	2647661	10.938	ppbv	99
26) Hexane	5.703	57	1121774	11.497	ppbv	99
27) Carbon Disulfide	4.565	76	1348885	11.453	ppbv	100
28) Methyl tert-Butyl Ether	5.050	73	1147363	10.998	ppbv	99
29) Chloroform	5.767	83	1805236	10.640	ppbv	98
30) Cyclohexane	7.147	84	986067	11.100	ppbv	97
31) cis-1,2-Dichloroethene	5.565	61	1135699	10.970	ppbv	100
32) 1,1,1-Trichloroethane	6.526	97	1828759	10.920	ppbv	100
34) 2-Butanone	5.256	43	1577538	11.272	ppbv	99
35) Carbon Tetrachloride	7.034	117	1966369	11.446	ppbv	99
36) Benzene	6.909	78	2358692	10.962	ppbv	98
37) 1,2-Dichloroethane	6.320	62	1396568	10.996	ppbv	99
38) Trichloroethene	7.851	130	1276763	10.971	ppbv	98
39) 1,2-Dichloropropane	7.629	63	854111	10.625	ppbv	92
40) 1,4-Dioxane	7.851	88	245628	7.668	ppbv #	12
41) Tetrahydrofuran	6.063	42	923818	11.391	ppbv	98
42) Bromodichloromethane	7.806	83	1955313	11.418	ppbv	99
43) Methyl Methacrylate	8.031	69	958558	11.716	ppbv	100
44) 2,2,4-Trimethylpentane	7.883	57	3885840	10.657	ppbv	99
45) t-1,3-Dichloropropene	9.295	75	936173	12.851	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.722	75	1251827	12.485	ppbv	99
47) 1,1,2-Trichloroethane	9.487	97	978071	10.844	ppbv	98
48) Dibromochloromethane	10.320	129	1728557	12.058	ppbv	99
49) Bromoform	13.056	173	1438328	12.437	ppbv	99
50) 4-Methyl-2-Pentanone	8.754	43	2448656	11.571	ppbv	99
51) 2-Hexanone	10.147	43	1885094	11.777	ppbv	100
52) Tetrachloroethene	11.240	164	940706	10.860	ppbv	96
53) Toluene	9.822	91	2847064	11.471	ppbv	99
54) 1,2-Dibromoethane	10.629	107	1281121	11.415	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.143	131	1281931	10.820	ppbv	94
57) Chlorobenzene	12.163	112	2196720	10.565	ppbv	96
58) Ethyl Benzene	12.725	91	3823874	11.042	ppbv	98
59) m/p-Xylene	13.015	91	6577926m	21.546	ppbv	
60) o-Xylene	13.706	91	3189433	11.032	ppbv	100
61) Styrene	13.542	104	1879792	12.003	ppbv	100
62) Isopropylbenzene	14.683	105	4744305	10.776	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.693	83	1482587	9.784	ppbv	99
64) n-propylbenzene	15.577	120	1229326	11.017	ppbv	99
65) tert-Butylbenzene	16.760	119	4354553	10.704	ppbv	99
66) Benzyl Chloride	17.002	91	458509	11.860	ppbv	99
67) sec-Butylbenzene	17.310	105	5911507	10.788	ppbv	99
69) p-Isopropyltoluene	17.667	119	5132720	11.039	ppbv	100
70) n-Butylbenzene	18.564	91	4970113	11.014	ppbv	99
71) 2-Chlorotoluene	15.468	91	3438396	10.912	ppbv	100
72) 4-Ethyltoluene	15.854	105	3862277	11.363	ppbv	99
73) 1,3,5-Trimethylbenzene	16.011	105	3530394	11.309	ppbv	96
74) 1,2,4-Trimethylbenzene	16.780	105	3768593	10.912	ppbv	98
75) 1,3-Dichlorobenzene	17.011	146	2262407	10.982	ppbv	100
76) 1,4-Dichlorobenzene	17.156	146	2199795	10.774	ppbv	98
77) 1,2-Dichlorobenzene	17.831	146	2176474	10.659	ppbv	100
78) Hexachloro-1,3-Butadiene	23.387	225	1573485	9.581	ppbv	99
79) Naphthalene	22.214	128	3047210	12.821	ppbv	100
80) Naphthalene,2-methyl-	24.979	142	1102957	13.635	ppbv	96
81) 1,2,4-Trichlorobenzene	21.944	180	1750421	11.308	ppbv	99

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

