

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
 Data File : VL039767.D
 Acq On : 24 Oct 2022 20:19
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102422

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/26/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 24 20:53:24 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	941234	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2470989	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2421640m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1674963 9.723 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	1083836	10.998	ppbv	98
3) Chlorodifluoromethane	2.693	51	1124679	9.947	ppbv	100
4) Chloromethane	2.828	50	696166	9.836	ppbv	99
5) Vinyl Chloride	2.938	62	596611	10.163	ppbv	99
6) Bromomethane	3.134	94	208363	9.879	ppbv	94
7) Chloroethane	3.214	64	213623	10.133	ppbv	94
8) Dichlorotetrafluoroethane	2.873	85	1379967	10.726	ppbv	98
9) Propene	2.709	41	496894	10.229	ppbv	97
10) Heptane	7.577	43	1298256	11.162	ppbv	100
11) Trichlorofluoromethane	3.578	101	1416083	10.284	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.079	101	1082018	10.133	ppbv	98
13) Ethanol	3.256	45	30312	8.688	ppbv	85
14) Bromoethene	3.381	108	440547	10.396	ppbv	96
15) Acetone	3.481	43	1021696	9.088	ppbv	97
16) 1,3-Butadiene	3.002	39	577732	10.397	ppbv	98
17) tert-Butyl alcohol	3.890	59	932076	10.165	ppbv	99
18) 1,1-Dichloroethene	3.893	96	476903	10.149	ppbv	95
19) Isopropyl Alcohol	3.584	45	561035	10.651	ppbv	98
20) Methylene Chloride	3.944	84	423567	9.903	ppbv	95
21) Allyl Chloride	4.008	41	732675	10.069	ppbv	98
22) trans-1,2-Dichloroethene	4.455	96	489734	10.033	ppbv	98
23) Vinyl Acetate	4.632	43	397279	9.167	ppbv	97
24) 1,1-Dichloroethane	4.571	63	984813	9.758	ppbv	99
25) Ethyl Acetate	5.208	43	2309916	10.510	ppbv	99
26) Hexane	5.217	57	950255	10.397	ppbv	99
27) Carbon Disulfide	4.134	76	1179972	10.876	ppbv	98
28) Methyl tert-Butyl Ether	4.597	73	771519	9.703	ppbv	99
29) Chloroform	5.279	83	1441628	10.034	ppbv	98
30) Cyclohexane	6.603	84	782350	10.447	ppbv	97
31) cis-1,2-Dichloroethene	5.086	61	918702	10.414	ppbv	99
32) 1,1,1-Trichloroethane	6.005	97	1379921	10.582	ppbv	100
34) 2-Butanone	4.793	43	1192104	10.255	ppbv	100
35) Carbon Tetrachloride	6.494	117	1517029	10.768	ppbv	99
36) Benzene	6.372	78	2004753	10.535	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1095991	10.605	ppbv	100
38) Trichloroethene	7.288	130	1164977	10.844	ppbv	98
39) 1,2-Dichloropropane	7.073	63	749583	10.225	ppbv	94
40) 1,4-Dioxane	7.285	88	313548	12.547	ppbv #	100
41) Tetrahydrofuran	5.561	42	802530	11.111	ppbv	100
42) Bromodichloromethane	7.246	83	1576097	10.829	ppbv	99
43) Methyl Methacrylate	7.471	69	775586	11.704	ppbv	97
44) 2,2,4-Trimethylpentane	7.327	57	3397675	10.680	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	701833	12.466	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	985295	12.196	ppbv	97
47) 1,1,2-Trichloroethane	8.896	97	815217	10.386	ppbv	97
48) Dibromochloromethane	9.703	129	1360936	10.770	ppbv	99
49) Bromoform	12.394	173	1089955	10.590	ppbv	98
50) 4-Methyl-2-Pentanone	8.182	43	2161116	11.849	ppbv	99
51) 2-Hexanone	9.545	43	1667168	12.486	ppbv #	99
52) Tetrachloroethene	10.610	164	746230	10.468	ppbv	97
53) Toluene	9.214	91	2343891	11.756	ppbv	99
54) 1,2-Dibromoethane	10.002	107	911515	11.439	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	976760	9.532	ppbv	100
57) Chlorobenzene	11.519	112	1739573	9.364	ppbv	99
58) Ethyl Benzene	12.079	91	2987479	10.829	ppbv	100
59) m/p-Xylene	12.365	91	5115627m	20.544	ppbv	
60) o-Xylene	13.050	91	2432036	10.417	ppbv	98
61) Styrene	12.889	104	1427794	11.644	ppbv	100
62) Isopropylbenzene	14.021	105	3498998	9.809	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	831883	8.471	ppbv	99
64) n-propylbenzene	14.912	120	896262	9.923	ppbv	98
65) tert-Butylbenzene	16.082	119	3017941	9.709	ppbv	100
66) Benzyl Chloride	16.317	91	189720	8.605	ppbv	99
67) sec-Butylbenzene	16.629	105	4214020	9.625	ppbv	100
69) p-Isopropyltoluene	16.989	119	3462865	9.778	ppbv	99
70) n-Butylbenzene	17.879	91	3414415	10.082	ppbv	99
71) 2-Chlorotoluene	14.793	91	2492054	10.059	ppbv	100
72) 4-Ethyltoluene	15.188	105	2764216	10.278	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	2448457	10.172	ppbv	97
74) 1,2,4-Trimethylbenzene	16.098	105	2608500	9.570	ppbv	98
75) 1,3-Dichlorobenzene	16.323	146	1562086	9.442	ppbv	100
76) 1,4-Dichlorobenzene	16.465	146	1456213	9.229	ppbv	98
77) 1,2-Dichlorobenzene	17.133	146	1487912	9.431	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	1060595	8.822	ppbv	99
79) Naphthalene	21.371	128	2150274	12.900	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	565367	9.988	ppbv	99
81) 1,2,4-Trichlorobenzene	21.127	180	1203313	10.923	ppbv	100

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

