

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102122\
 Data File : VL039741.D
 Acq On : 21 Oct 2022 10:44
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/24/2022
 Supervised By :Mahesh Dadoda 10/24/2022

Quant Time: Oct 21 14:16:23 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102122AIR.M

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

QLast Update : Fri Oct 21 14:16:04 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1072735	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2939328	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2726545	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 1874147 9.208 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.100%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.751	85	386839m	3.111	ppbv	
3) Chlorodifluoromethane	2.697	51	262849	2.065	ppbv	99
4) Chloromethane	2.835	50	161041	2.096	ppbv	97
5) Vinyl Chloride	2.941	62	131967	2.061	ppbv	91
6) Bromomethane	3.140	94	47944m	2.030	ppbv	
7) Chloroethane	3.214	64	49848m	2.129	ppbv	
8) Dichlorotetrafluoroethane	2.877	85	335442	2.249	ppbv	100
9) Propene	2.716	41	115496	1.986	ppbv	91
10) Heptane	7.578	43	280991	2.071	ppbv	98
11) Trichlorofluoromethane	3.581	101	323737	2.102	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.082	101	253556	2.180	ppbv	97
13) Ethanol	3.263	45	9268m	2.092	ppbv	
14) Bromoethene	3.385	108	94872	2.043	ppbv	93
15) Acetone	3.491	43	261663	2.192	ppbv	94
16) 1,3-Butadiene	3.005	39	130384	2.153	ppbv	99
17) tert-Butyl alcohol	3.899	59	190743m	1.781	ppbv	
18) 1,1-Dichloroethene	3.896	96	108949	2.129	ppbv	98
19) Isopropyl Alcohol	3.600	45	113601m	1.867	ppbv	
20) Methylene Chloride	3.951	84	101445m	1.838	ppbv	
21) Allyl Chloride	4.012	41	185032m	2.276	ppbv	
22) trans-1,2-Dichloroethene	4.459	96	110635	2.185	ppbv	90
23) Vinyl Acetate	4.642	43	111989m	2.075	ppbv	
24) 1,1-Dichloroethane	4.574	63	244869	2.279	ppbv	100
25) Ethyl Acetate	5.214	43	535773	2.058	ppbv	98
26) Hexane	5.221	57	215789	1.954	ppbv	98
27) Carbon Disulfide	4.137	76	253270	2.182	ppbv	96
28) Methyl tert-Butyl Ether	4.607	73	199742	2.152	ppbv	99
29) Chloroform	5.279	83	331035	2.076	ppbv	94
30) Cyclohexane	6.603	84	168721	1.972	ppbv	94
31) cis-1,2-Dichloroethene	5.086	61	180804m	1.810	ppbv	
32) 1,1,1-Trichloroethane	6.005	97	303438	2.102	ppbv	98
34) 2-Butanone	4.799	43	271324	1.879	ppbv	98
35) Carbon Tetrachloride	6.491	117	322345	2.066	ppbv	88
36) Benzene	6.372	78	461849	2.055	ppbv	99
37) 1,2-Dichloroethane	5.806	62	247974m	2.027	ppbv	
38) Trichloroethene	7.288	130	250830	2.065	ppbv	94
39) 1,2-Dichloropropane	7.073	63	166914	1.924	ppbv	92
40) 1,4-Dioxane	7.304	88	61544m	1.737	ppbv	
41) Tetrahydrofuran	5.571	42	170841	1.929	ppbv	97
42) Bromodichloromethane	7.246	83	331259	1.947	ppbv	93
43) Methyl Methacrylate	7.475	69	159198	1.943	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	792554	2.046	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	123348m	1.782	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	173830	1.764	ppbv	93
47) 1,1,2-Trichloroethane	8.896	97	186396	1.965	ppbv	94
48) Dibromochloromethane	9.706	129	275036	1.926	ppbv	96
49) Bromoform	12.394	173	226216	1.915	ppbv	98
50) 4-Methyl-2-Pentanone	8.185	43	448797	1.978	ppbv	98
51) 2-Hexanone	9.558	43	318906	1.899	ppbv #	100
52) Tetrachloroethene	10.610	164	167153	1.950	ppbv	95
53) Toluene	9.214	91	496598	1.987	ppbv	99
54) 1,2-Dibromoethane	10.002	107	196635	1.938	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.497	131	229829	2.086	ppbv #	1
57) Chlorobenzene	11.516	112	405842	2.024	ppbv	96
58) Ethyl Benzene	12.079	91	659479	2.098	ppbv	100
59) m/p-Xylene	12.362	91	1171718m	4.188	ppbv	
60) o-Xylene	13.047	91	559338	2.094	ppbv	99
61) Styrene	12.889	104	276525	1.922	ppbv	96
62) Isopropylbenzene	14.021	105	829207	2.063	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	211590	1.985	ppbv	98
64) n-propylbenzene	14.905	120	204963	1.991	ppbv	93
65) tert-Butylbenzene	16.079	119	762212	2.146	ppbv	100
66) Benzyl Chloride	16.317	91	42073m	1.488	ppbv	
67) sec-Butylbenzene	16.629	105	1037998	2.084	ppbv	99
69) p-Isopropyltoluene	16.989	119	835252	2.040	ppbv	99
70) n-Butylbenzene	17.876	91	814064	2.029	ppbv	99
71) 2-Chlorotoluene	14.789	91	581306	2.003	ppbv	99
72) 4-Ethyltoluene	15.185	105	623623	2.045	ppbv	98
73) 1,3,5-Trimethylbenzene	15.342	105	573419	2.055	ppbv	96
74) 1,2,4-Trimethylbenzene	16.098	105	649191	2.075	ppbv	97
75) 1,3-Dichlorobenzene	16.320	146	368922	1.976	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	352303	1.887	ppbv	95
77) 1,2-Dichlorobenzene	17.133	146	371922m	2.043	ppbv	
78) Hexachloro-1,3-Butadiene	22.622	225	264676	1.903	ppbv	96
79) Naphthalene	21.368	128	453135	2.195	ppbv	97
80) Naphthalene,2-methyl-	24.377	142	111664	1.438	ppbv	91
81) 1,2,4-Trichlorobenzene	21.124	180	264055m	1.947	ppbv	

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

