

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
 Data File : VL037941.D
 Acq On : 1 Nov 2021 15:35
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110121

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2021
 Supervised By : Mahesh Dadoda 11/10/2021

Quant Time: Nov 02 06:00:51 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 02 06:00:51 2021

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.664	49	1646369	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	4855251	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	4045069m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 3189251 10.847 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	2106242	9.080	ppbv	99
3) Chlorodifluoromethane	2.993	51	2640187	8.614	ppbv	100
4) Chloromethane	3.144	50	1025555	8.805	ppbv	97
5) Vinyl Chloride	3.259	62	1036795	9.236	ppbv	98
6) Bromomethane	3.472	94	567572	9.359	ppbv	95
7) Chloroethane	3.555	64	359532	8.872	ppbv	93
8) Dichlorotetrafluoroethane	3.189	85	2287970	8.563	ppbv	99
9) Propene	3.012	41	1023463	9.314	ppbv	95
10) Heptane	8.118	43	2449125	9.580	ppbv	99
11) Trichlorofluoromethane	3.951	101	2078568	8.999	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.484	101	1540334	8.555	ppbv	96
13) Ethanol	3.607	45	85760	7.736	ppbv	94
14) Bromoethene	3.738	108	728562	9.250	ppbv	99
15) Acetone	3.848	43	1205627	8.862	ppbv	98
16) 1,3-Butadiene	3.330	39	980150	9.143	ppbv	98
17) tert-Butyl alcohol	4.282	59	1275266	9.015	ppbv	100
18) 1,1-Dichloroethene	4.288	96	725458	8.754	ppbv	93
19) Isopropyl Alcohol	3.960	45	800701	9.204	ppbv #	92
20) Methylene Chloride	4.343	84	624852	8.366	ppbv	98
21) Allyl Chloride	4.410	41	1199804	9.558	ppbv	100
22) trans-1,2-Dichloroethene	4.883	96	774994	9.412	ppbv	93
23) Vinyl Acetate	5.070	43	2143952	10.466	ppbv	99
24) 1,1-Dichloroethane	5.008	63	1506413	8.901	ppbv	99
25) Ethyl Acetate	5.674	43	3839093	9.501	ppbv	100
26) Hexane	5.684	57	1819312	9.503	ppbv	99
27) Carbon Disulfide	4.549	76	1887664	9.988	ppbv	99
28) Methyl tert-Butyl Ether	5.031	73	1561478	9.701	ppbv	99
29) Chloroform	5.748	83	2482881	8.697	ppbv	95
30) Cyclohexane	7.121	84	1533559	9.371	ppbv	99
31) cis-1,2-Dichloroethene	5.545	61	1700134	9.733	ppbv	99
32) 1,1,1-Trichloroethane	6.507	97	2355845	8.395	ppbv	99
34) 2-Butanone	5.240	43	1742129	9.683	ppbv	99
35) Carbon Tetrachloride	7.012	117	2472381	8.423	ppbv	98
36) Benzene	6.886	78	3731401	9.437	ppbv	99
37) 1,2-Dichloroethane	6.301	62	1749663	9.308	ppbv	100
38) Trichloroethene	7.828	130	1441480	8.784	ppbv	98
39) 1,2-Dichloropropane	7.606	63	1415808	9.517	ppbv	99
40) 1,4-Dioxane	7.832	88	367356m	9.376	ppbv	
41) Tetrahydrofuran	6.044	42	942471	10.706	ppbv	97
42) Bromodichloromethane	7.787	83	2640856	9.292	ppbv	99
43) Methyl Methacrylate	8.005	69	1318132	10.157	ppbv	97
44) 2,2,4-Trimethylpentane	7.864	57	6216691	9.244	ppbv	99
45) t-1,3-Dichloropropene	9.269	75	1135263	11.905	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
 Data File : VL037941.D
 Acq On : 1 Nov 2021 15:35
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110121

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2021
 Supervised By : Mahesh Dadoda 11/10/2021

Quant Time: Nov 02 06:00:51 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 02 06:00:51 2021

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.696	75	1485191	11.328	ppbv	98
47) 1,1,2-Trichloroethane	9.465	97	1481631	8.864	ppbv	99
48) Dibromochloromethane	10.294	129	2330859	9.849	ppbv	98
49) Bromoform	13.031	173	1919544	10.261	ppbv	98
50) 4-Methyl-2-Pentanone	8.735	43	2374456	10.045	ppbv	98
51) 2-Hexanone	10.124	43	1069015	10.730	ppbv #	98
52) Tetrachloroethene	11.211	164	1348594	8.991	ppbv	99
53) Toluene	9.799	91	4278566	10.094	ppbv	100
54) 1,2-Dibromoethane	10.600	107	2094159	9.714	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.114	131	1568506	9.604	ppbv #	58
57) Chlorobenzene	12.140	112	3048182	9.441	ppbv	99
58) Ethyl Benzene	12.703	91	5372240	10.860	ppbv	99
59) m/p-Xylene	12.989	91	8826555m	20.075	ppbv	
60) o-Xylene	13.680	91	4108092	9.910	ppbv	99
61) Styrene	13.516	104	2323727	12.205	ppbv	99
62) Isopropylbenzene	14.658	105	5763601	9.819	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.667	83	3007520	8.429	ppbv	100
64) n-propylbenzene	15.548	120	1537326	10.222	ppbv	99
65) tert-Butylbenzene	16.732	119	4976783	9.594	ppbv	100
66) Benzyl Chloride	16.976	91	327533	12.083	ppbv	97
67) sec-Butylbenzene	17.281	105	6889217	9.639	ppbv	100
69) p-Isopropyltoluene	17.638	119	5651029	9.858	ppbv	99
70) n-Butylbenzene	18.538	91	5437212	10.322	ppbv	100
71) 2-Chlorotoluene	15.439	91	4240792	10.312	ppbv	100
72) 4-Ethyltoluene	15.828	105	4975994	10.478	ppbv	99
73) 1,3,5-Trimethylbenzene	15.986	105	4447096	9.999	ppbv	96
74) 1,2,4-Trimethylbenzene	16.751	105	4519985	9.701	ppbv	95
75) 1,3-Dichlorobenzene	16.986	146	2750785	9.482	ppbv	100
76) 1,4-Dichlorobenzene	17.127	146	2704470	9.634	ppbv	98
77) 1,2-Dichlorobenzene	17.802	146	2568414	9.429	ppbv	99
78) Hexachloro-1,3-Butadiene	23.361	225	1941987	8.329	ppbv	99
79) Naphthalene	22.178	128	3401713	12.672	ppbv	99
80) Naphthalene,2-methyl-	24.959	142	947214	18.126	ppbv	96
81) 1,2,4-Trichlorobenzene	21.911	180	1915996m	10.966	ppbv	

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

