

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091922\
 Data File : VL039630.D
 Acq On : 19 Sep 2022 11:01
 Operator : SY/AP
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/21/2022
 Supervised By :Mahesh Dadoda 09/21/2022

Quant Time: Sep 19 12:50:30 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 19 2022

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1168959	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2979602	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2751664	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2059027 9.919 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.200%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.751	85	91867m	0.591	ppbv	
3) Chlorodifluoromethane	2.693	51	71821	0.516	ppbv	95
4) Chloromethane	2.838	50	43690	0.521	ppbv	100
5) Vinyl Chloride	2.944	62	34945	0.516	ppbv #	79
6) Bromomethane	3.137	94	13686m	0.477	ppbv	
7) Chloroethane	3.221	64	12322	0.486	ppbv	99
8) Dichlorotetrafluoroethane	2.880	85	87866	0.528	ppbv	99
9) Propene	2.716	41	34400	0.540	ppbv	97
10) Heptane	7.597	43	62838	0.426	ppbv	92
11) Trichlorofluoromethane	3.587	101	81588	0.478	ppbv	96
12) 1,1,2-Trichlorotrifluoro...	4.086	101	67245	0.533	ppbv	96
13) Ethanol	3.269	45	2626	0.573	ppbv #	23
14) Bromoethene	3.388	108	24519	0.475	ppbv #	84
15) Acetone	3.500	43	65847	0.503	ppbv #	88
16) 1,3-Butadiene	3.005	39	30105	0.441	ppbv	87
17) tert-Butyl alcohol	3.912	59	55336m	0.495	ppbv	
18) 1,1-Dichloroethene	3.899	96	26613	0.468	ppbv	89
19) Isopropyl Alcohol	3.610	45	37824m	0.594	ppbv	
20) Methylene Chloride	3.951	84	35410	0.666	ppbv #	93
21) Allyl Chloride	4.015	41	46766m	0.549	ppbv	
22) trans-1,2-Dichloroethene	4.462	96	26312	0.465	ppbv	91
23) Vinyl Acetate	4.652	43	30442m	0.489	ppbv	
24) 1,1-Dichloroethane	4.584	63	58398	0.507	ppbv #	95
25) Ethyl Acetate	5.227	43	136803	0.488	ppbv	98
26) Hexane	5.234	57	58350	0.510	ppbv	91
27) Carbon Disulfide	4.144	76	54352m	0.445	ppbv	
28) Methyl tert-Butyl Ether	4.619	73	49880m	0.506	ppbv	
29) Chloroform	5.288	83	83205	0.465	ppbv	97
30) Cyclohexane	6.619	84	45963m	0.485	ppbv	
31) cis-1,2-Dichloroethene	5.095	61	52161m	0.471	ppbv	
32) 1,1,1-Trichloroethane	6.018	97	77644	0.493	ppbv	94
34) 2-Butanone	4.816	43	75043m	0.507	ppbv	
35) Carbon Tetrachloride	6.504	117	80541	0.500	ppbv	95
36) Benzene	6.381	78	104313	0.459	ppbv #	89
37) 1,2-Dichloroethane	5.825	62	62816m	0.502	ppbv	
38) Trichloroethene	7.304	130	61840	0.508	ppbv	90
39) 1,2-Dichloropropane	7.082	63	45289m	0.530	ppbv	
40) 1,4-Dioxane	7.336	88	18858m	0.564	ppbv	
41) Tetrahydrofuran	5.597	42	38706m	0.437	ppbv	
42) Bromodichloromethane	7.259	83	78819	0.460	ppbv #	94
43) Methyl Methacrylate	7.491	69	33862m	0.413	ppbv	
44) 2,2,4-Trimethylpentane	7.340	57	186598	0.487	ppbv	94
45) t-1,3-Dichloropropene	8.719	75	23573m	0.330	ppbv	

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

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	35812	0.362	ppbv #	86
47) 1,1,2-Trichloroethane	8.905	97	48193m	0.494	ppbv	
48) Dibromochloromethane	9.719	129	58674	0.408	ppbv	88
49) Bromoform	12.420	173	49779m	0.418	ppbv	
50) 4-Methyl-2-Pentanone	8.217	43	94795	0.411	ppbv	100
51) 2-Hexanone	9.590	43	67907m	0.400	ppbv	
52) Tetrachloroethene	10.632	164	41544m	0.483	ppbv	
53) Toluene	9.233	91	107627	0.423	ppbv	97
54) 1,2-Dibromoethane	10.015	107	50354	0.462	ppbv	92
56) 1,1,1,2-Tetrachloroethane	11.516	131	57629	0.515	ppbv #	1
57) Chlorobenzene	11.532	112	108390m	0.528	ppbv	
58) Ethyl Benzene	12.098	91	130362	0.412	ppbv	90
59) m/p-Xylene	12.378	91	256621m	0.905	ppbv	
60) o-Xylene	13.066	91	120195	0.441	ppbv	94
61) Styrene	12.912	104	53459m	0.369	ppbv	
62) Isopropylbenzene	14.043	105	191636	0.465	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.056	83	54916	0.426	ppbv	93
64) n-propylbenzene	14.931	120	47847m	0.447	ppbv	
65) tert-Butylbenzene	16.101	119	160754	0.439	ppbv	89
66) Benzyl Chloride	16.342	91	13049m	0.439	ppbv	
67) sec-Butylbenzene	16.648	105	236384	0.456	ppbv	95
69) p-Isopropyltoluene	17.011	119	183990m	0.428	ppbv	
70) n-Butylbenzene	17.905	91	187274m	0.437	ppbv	
71) 2-Chlorotoluene	14.809	91	132719	0.445	ppbv	100
72) 4-Ethyltoluene	15.201	105	128188	0.403	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.362	105	124639	0.428	ppbv	88
74) 1,2,4-Trimethylbenzene	16.111	105	152371m	0.470	ppbv	
75) 1,3-Dichlorobenzene	16.339	146	90154	0.457	ppbv	95
76) 1,4-Dichlorobenzene	16.487	146	95593m	0.487	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	94277m	0.489	ppbv	
78) Hexachloro-1,3-Butadiene	22.648	225	74781m	0.487	ppbv	
79) Naphthalene	21.397	128	87263m	0.378	ppbv	
80) Naphthalene,2-methyl-	24.387	142	24345m	0.260	ppbv	
81) 1,2,4-Trichlorobenzene	21.153	180	58797m	0.381	ppbv	

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

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