

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036067.D
 Acq On : 7 Dec 2020 14:23
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:19 AM

Quant Time: Dec 07 15:32:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 2020
 QLast Update : Mon Dec 07 13:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1267823	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2853900	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2588804	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2031803	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	92209	0.418 ppbv	98
3) Chlorodifluoromethane	3.00	51	74108	0.495 ppbv	99
4) Chloromethane	3.15	50	38133	0.521 ppbv #	78
5) Vinyl Chloride	3.27	62	33120	0.356 ppbv #	89
6) Bromomethane	3.49	94	21334m	0.292 ppbv	
7) Chloroethane	3.57	64	15450m	0.463 ppbv	
8) Dichlorotetrafluoroethane	3.20	85	90428m	0.347 ppbv	
9) Propene	3.02	41	40868m	0.782 ppbv	
10) Heptane	8.14	43	101681m	0.713 ppbv	
11) Trichlorofluoromethane	3.97	101	89196m	0.298 ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.49	101	62545m	0.278 ppbv	
13) Ethanol	3.64	45	5952m	0.563 ppbv	
14) Bromoethene	3.75	108	24883m	0.273 ppbv	
15) Acetone	3.87	43	88172m	0.669 ppbv	
16) 1,3-Butadiene	3.34	39	41816m	0.722 ppbv	
17) tert-Butyl alcohol	4.32	59	86326m	0.598 ppbv	
18) 1,1-Dichloroethene	4.30	96	28055m	0.281 ppbv	
19) Isopropyl Alcohol	4.00	45	54951m	0.778 ppbv	
20) Methylene Chloride	4.36	84	40145m	0.352 ppbv	
21) Allyl Chloride	4.43	41	55662m	0.793 ppbv	
22) trans-1,2-Dichloroethene	4.90	96	26378m	0.266 ppbv	
23) Vinyl Acetate	5.10	43	109893m	0.706 ppbv	
24) 1,1-Dichloroethane	5.03	63	75669m	0.426 ppbv	
25) Ethyl Acetate	5.71	43	162530m	0.614 ppbv	
26) Hexane	5.71	57	76988m	0.547 ppbv	
27) Carbon Disulfide	4.56	76	65438m	0.319 ppbv	
28) Methyl tert-Butyl Ether	5.06	73	104473m	0.498 ppbv	
29) Chloroform	5.77	83	95194	0.358 ppbv	99
30) Cyclohexane	7.15	84	55072m	0.415 ppbv	
31) cis-1,2-Dichloroethene	5.56	61	68457m	0.532 ppbv	
32) 1,1,1-Trichloroethane	6.53	97	89211	0.366 ppbv	97
34) 2-Butanone	5.27	43	105747m	1.081 ppbv	
35) Carbon Tetrachloride	7.04	117	80596	0.540 ppbv	90
36) Benzene	6.91	78	129935m	0.666 ppbv	
37) 1,2-Dichloroethane	6.32	62	69778m	0.689 ppbv	
38) Trichloroethene	7.85	130	45713	0.523 ppbv	96
39) 1,2-Dichloropropane	7.64	63	48921m	0.654 ppbv	
40) 1,4-Dioxane	7.89	88	18128m	0.727 ppbv	
41) Tetrahydrofuran	6.10	42	61235m	1.199 ppbv	
42) Bromodichloromethane	7.81	83	95306m	0.595 ppbv	
43) Methyl Methacrylate	8.04	69	51591m	0.726 ppbv	

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44) 2,2,4-Trimethylpentane	7.89	57	236901	0.819	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	47812m	0.711	ppbv	
46) cis-1,3-Dichloropropene	8.73	75	64797m	0.719	ppbv	
47) 1,1,2-Trichloroethane	9.50	97	48018m	0.512	ppbv	
48) Dibromochloromethane	10.34	129	65838m	0.499	ppbv	
49) Bromoform	13.07	173	47364m	0.484	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	153558m	1.033	ppbv	
51) 2-Hexanone	10.19	43	113201m	1.052	ppbv	
52) Tetrachloroethene	11.24	164	43055m	0.569	ppbv	
53) Toluene	9.83	91	141487	0.666	ppbv	97
54) 1,2-Dibromoethane	10.64	107	76442m	0.575	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	57272m	0.542	ppbv	
57) Chlorobenzene	12.17	112	98925m	0.518	ppbv	
58) Ethyl Benzene	12.73	91	192397	0.751	ppbv	93
59) m/p-Xylene	13.02	91	323667m	1.386	ppbv	
60) o-Xylene	13.72	91	160159	0.680	ppbv	97
61) Styrene	13.55	104	93982m	0.704	ppbv	
62) Isopropylbenzene	14.70	105	236775m	0.677	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	98129m	0.497	ppbv	
64) n-propylbenzene	15.58	120	56129m	0.610	ppbv	
65) tert-Butylbenzene	16.78	119	183971m	0.628	ppbv	
66) Benzyl Chloride	17.02	91	35653m	0.505	ppbv	
67) sec-Butylbenzene	17.32	105	263155m	0.657	ppbv	
69) p-Isopropyltoluene	17.68	119	211041m	0.698	ppbv	
70) n-Butylbenzene	18.58	91	193229	0.645	ppbv	100
71) 2-Chlorotoluene	15.48	91	175497m	0.730	ppbv	
72) 4-Ethyltoluene	15.87	105	162984	0.672	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	158267m	0.696	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	156584m	0.618	ppbv	
75) 1,3-Dichlorobenzene	17.02	146	78061m	0.509	ppbv	
76) 1,4-Dichlorobenzene	17.17	146	81135m	0.560	ppbv	
77) 1,2-Dichlorobenzene	17.85	146	77233m	0.549	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	61875m	0.800	ppbv	
79) Naphthalene	22.25	128	66486m	0.562	ppbv	
80) Naphthalene, 2-methyl-	25.07	142	2734	0.114	ppbv #	42
81) 1,2,4-Trichlorobenzene	21.97	180	46769m	0.576	ppbv	

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

