

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034938.D
 Acq On : 6 May 2020 11:26
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:29:35 PM

Quant Time: May 06 12:48:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 12:36:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1198447	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2756981	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2586167	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2102134	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	194713	1.186	ppbv	91
3) Chlorodifluoromethane	2.95	51	150519	1.124	ppbv	100
4) Chloromethane	3.11	50	85675	1.132	ppbv	98
5) Vinyl Chloride	3.22	62	78871	1.084	ppbv	96
6) Bromomethane	3.44	94	50726	1.198	ppbv	93
7) Chloroethane	3.53	64	30734	1.170	ppbv #	86
8) Dichlorotetrafluoroethane	3.15	85	201563	1.183	ppbv	98
9) Propene	2.97	41	63553	0.994	ppbv	100
10) Heptane	8.14	43	154496	0.982	ppbv	98
11) Trichlorofluoromethane	3.92	101	196632	1.126	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	135719	1.111	ppbv	99
13) Ethanol	3.58	45	26012	1.339	ppbv	98
14) Bromoethene	3.71	108	55054	1.043	ppbv #	97
15) Acetone	3.83	43	183080	1.179	ppbv	94
16) 1,3-Butadiene	3.29	39	67234	0.957	ppbv	98
17) tert-Butyl alcohol	4.28	59	157551	1.053	ppbv	99
18) 1,1-Dichloroethene	4.27	96	57510	1.063	ppbv #	79
19) Isopropyl Alcohol	3.94	45	119340	1.217	ppbv #	95
20) Methylene Chloride	4.32	84	58122	1.183	ppbv #	90
21) Allyl Chloride	4.39	41	91525	0.917	ppbv	94
22) trans-1,2-Dichloroethene	4.88	96	58596m	1.067	ppbv	
23) Vinyl Acetate	5.06	43	208105	0.907	ppbv	97
24) 1,1-Dichloroethane	4.99	63	167043m	1.086	ppbv	
25) Ethyl Acetate	5.68	43	284097	1.027	ppbv	99
26) Hexane	5.68	57	126392	1.061	ppbv	97
27) Carbon Disulfide	4.53	76	143036	1.058	ppbv #	92
28) Methyl tert-Butyl Ether	5.02	73	186886	0.943	ppbv	99
29) Chloroform	5.74	83	206611	1.136	ppbv #	83
30) Cyclohexane	7.14	84	88093m	0.886	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	113959	0.935	ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	183871	1.038	ppbv	98
34) 2-Butanone	5.24	43	187839	1.025	ppbv	99
35) Carbon Tetrachloride	7.02	117	183735m	1.071	ppbv	
36) Benzene	6.90	78	243104	0.989	ppbv	96
37) 1,2-Dichloroethane	6.31	62	150979	1.090	ppbv	100
38) Trichloroethene	7.85	130	96624	1.035	ppbv #	80
39) 1,2-Dichloropropane	7.63	63	95727	0.983	ppbv	98
40) 1,4-Dioxane	7.86	88	42861m	1.166	ppbv	
41) Tetrahydrofuran	6.06	42	92012	0.928	ppbv	98
42) Bromodichloromethane	7.80	83	202126	1.070	ppbv	92
43) Methyl Methacrylate	8.03	69	98156m	0.948	ppbv	

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44) 2,2,4-Trimethylpentane	7.88	57	444694	1.071	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	88243	0.725	ppbv	96
46) cis-1,3-Dichloropropene	8.73	75	116023	0.803	ppbv	89
47) 1,1,2-Trichloroethane	9.50	97	105362	1.054	ppbv	95
48) Dibromochloromethane	10.33	129	151286m	0.935	ppbv	
49) Bromoform	13.07	173	127382m	0.883	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	254114	0.963	ppbv	98
51) 2-Hexanone	10.16	43	193101	0.901	ppbv #	94
52) Tetrachloroethene	11.26	164	81527m	0.839	ppbv	
53) Toluene	9.83	91	247108	0.871	ppbv	98
54) 1,2-Dibromoethane	10.64	107	149791	0.996	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.16	131	129026m	1.111	ppbv	
57) Chlorobenzene	12.18	112	229217	1.133	ppbv #	92
58) Ethyl Benzene	12.74	91	343565	0.981	ppbv	95
59) m/p-Xylene	13.03	91	622241m	2.121	ppbv	
60) o-Xylene	13.73	91	309904	1.082	ppbv	99
61) Styrene	13.57	104	178424	0.887	ppbv	98
62) Isopropylbenzene	14.71	105	466944	1.078	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	237757	1.222	ppbv	99
64) n-propylbenzene	15.60	120	114810	1.018	ppbv	83
65) tert-Butylbenzene	16.79	119	400125	1.057	ppbv	97
66) Benzyl Chloride	17.03	91	112984	0.716	ppbv	99
67) sec-Butylbenzene	17.34	105	597897	1.139	ppbv	96
69) p-Isopropyltoluene	17.70	119	458992	1.042	ppbv	99
70) n-Butylbenzene	18.60	91	496285	1.105	ppbv	97
71) 2-Chlorotoluene	15.50	91	340545	1.038	ppbv	99
72) 4-Ethyltoluene	15.89	105	339993m	1.005	ppbv	
73) 1,3,5-Trimethylbenzene	16.04	105	334877	1.057	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	375941	1.152	ppbv	97
75) 1,3-Dichlorobenzene	17.05	146	215078	1.093	ppbv	98
76) 1,4-Dichlorobenzene	17.19	146	206914	1.054	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	207710	1.089	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	178664	1.122	ppbv	98
79) Naphthalene	22.27	128	248266m	0.976	ppbv	
80) Naphthalene, 2-methyl-	25.03	142	17947	0.270	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	161818m	1.001	ppbv	

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

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