

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035235.D
 Acq On : 29 Jul 2020 4:02
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:10:23 PM

Quant Time: Jul 29 06:09:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 2020
 QLast Update : Wed Jul 29 03:31:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1453866	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3547552	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3243100	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2646430	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	192757	0.964	ppbv	97
3) Chlorodifluoromethane	2.94	51	176917	1.099	ppbv	98
4) Chloromethane	3.10	50	99181	1.091	ppbv	98
5) Vinyl Chloride	3.21	62	97720	1.005	ppbv	94
6) Bromomethane	3.43	94	61652	1.117	ppbv	84
7) Chloroethane	3.52	64	35279	1.026	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	249508	1.112	ppbv	99
9) Propene	2.96	41	56998	0.945	ppbv	98
10) Heptane	8.14	43	144750	0.924	ppbv	97
11) Trichlorofluoromethane	3.92	101	252326	1.089	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	182814	1.123	ppbv	99
13) Ethanol	3.57	45	27989m	1.414	ppbv	
14) Bromoethene	3.71	108	70037	1.048	ppbv	96
15) Acetone	3.82	43	221910	1.123	ppbv	95
16) 1,3-Butadiene	3.29	39	76105	1.005	ppbv	96
17) tert-Butyl alcohol	4.27	59	204316	1.158	ppbv	100
18) 1,1-Dichloroethene	4.26	96	79682	1.104	ppbv	91
19) Isopropyl Alcohol	3.94	45	140975	1.170	ppbv #	97
20) Methylene Chloride	4.32	84	105692	1.223	ppbv #	90
21) Allyl Chloride	4.39	41	110282	0.958	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	73677	1.028	ppbv	98
23) Vinyl Acetate	5.06	43	189991	0.899	ppbv #	96
24) 1,1-Dichloroethane	4.99	63	190609	1.039	ppbv	97
25) Ethyl Acetate	5.67	43	318875	1.042	ppbv	99
26) Hexane	5.68	57	141797	1.048	ppbv	97
27) Carbon Disulfide	4.53	76	186374	0.990	ppbv	94
28) Methyl tert-Butyl Ether	5.02	73	198578	0.967	ppbv	100
29) Chloroform	5.74	83	240968	1.060	ppbv	96
30) Cyclohexane	7.14	84	91962m	0.920	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	113322	0.891	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	224166	0.986	ppbv	98
34) 2-Butanone	5.23	43	185079	0.978	ppbv	95
35) Carbon Tetrachloride	7.02	117	224367	0.968	ppbv	100
36) Benzene	6.90	78	240306	0.935	ppbv	95
37) 1,2-Dichloroethane	6.30	62	171336	0.987	ppbv #	96
38) Trichloroethene	7.85	130	100343	0.952	ppbv	93
39) 1,2-Dichloropropane	7.62	63	93142	0.906	ppbv	98
40) 1,4-Dioxane	7.87	88	37726m	0.920	ppbv	
41) Tetrahydrofuran	6.05	42	80632	0.856	ppbv	94
42) Bromodichloromethane	7.80	83	233988	1.010	ppbv	96
43) Methyl Methacrylate	8.03	69	95871	0.876	ppbv	95

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44) 2,2,4-Trimethylpentane	7.88	57	443390	0.995	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	88756	0.776	ppbv #	88
46) cis-1,3-Dichloropropene	8.72	75	108255m	0.795	ppbv	
47) 1,1,2-Trichloroethane	9.50	97	115755	1.025	ppbv #	86
48) Dibromochloromethane	10.33	129	175278	0.956	ppbv	97
49) Bromoform	13.08	173	158046m	0.976	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	252730	0.928	ppbv	95
51) 2-Hexanone	10.16	43	183168m	0.878	ppbv	
52) Tetrachloroethene	11.26	164	91992	0.951	ppbv #	81
53) Toluene	9.83	91	232295	0.853	ppbv	99
54) 1,2-Dibromoethane	10.64	107	163227	0.975	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.16	131	160077	1.099	ppbv #	70
57) Chlorobenzene	12.18	112	261479	1.077	ppbv	94
58) Ethyl Benzene	12.74	91	331376	0.914	ppbv	93
59) m/p-Xylene	13.03	91	661975m	2.042	ppbv	
60) o-Xylene	13.73	91	325169	1.005	ppbv	98
61) Styrene	13.56	104	173737	0.870	ppbv	98
62) Isopropylbenzene	14.71	105	502026	1.047	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.72	83	284951m	1.055	ppbv	
64) n-propylbenzene	15.61	120	123493	0.995	ppbv	75
65) tert-Butylbenzene	16.79	119	455338	1.058	ppbv	98
66) Benzyl Chloride	17.03	91	159319m	1.027	ppbv	
67) sec-Butylbenzene	17.34	105	678309m	1.082	ppbv	
69) p-Isopropyltoluene	17.70	119	546686	1.104	ppbv	98
70) n-Butylbenzene	18.60	91	581369	1.107	ppbv	96
71) 2-Chlorotoluene	15.50	91	364340	1.004	ppbv	95
72) 4-Ethyltoluene	15.88	105	357175	0.977	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	356093	1.012	ppbv	90
74) 1,2,4-Trimethylbenzene	16.80	105	444626	1.138	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	292745m	1.179	ppbv	
76) 1,4-Dichlorobenzene	17.19	146	258473m	1.121	ppbv	
77) 1,2-Dichlorobenzene	17.87	146	252296m	1.126	ppbv	
78) Hexachloro-1,3-Butadiene	23.43	225	212083	1.209	ppbv	97
79) Naphthalene	22.27	128	308335	1.187	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	92219	1.490	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	201128	1.227	ppbv	100

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

