

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080520\
 Data File : VL035339.D
 Acq On : 5 Aug 2020 12:32
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:49:02 PM

Quant Time: Aug 05 13:02:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05
 QLast Update : Wed Aug 05 09:32:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1440781	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3539467	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3587761	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2893564	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	2036372	10.803	ppbv	100
3) Chlorodifluoromethane	2.94	51	2025581	12.233	ppbv	99
4) Chloromethane	3.09	50	1179366	12.473	ppbv	99
5) Vinyl Chloride	3.21	62	1198840	13.023	ppbv	96
6) Bromomethane	3.43	94	767121	12.668	ppbv	99
7) Chloroethane	3.52	64	471477	12.883	ppbv	96
8) Dichlorotetrafluoroethane	3.14	85	2687666	11.820	ppbv	100
9) Propene	2.96	41	836372	13.979	ppbv	98
10) Heptane	8.13	43	2433768	15.849	ppbv	98
11) Trichlorofluoromethane	3.91	101	3050056	12.388	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2198672	12.811	ppbv	100
13) Ethanol	3.56	45	220104	9.958	ppbv	94
14) Bromoethene	3.70	108	972046	13.754	ppbv	99
15) Acetone	3.81	43	2326593	11.167	ppbv	99
16) 1,3-Butadiene	3.28	39	1122167	14.443	ppbv	98
17) tert-Butyl alcohol	4.26	59	2487042	13.106	ppbv	99
18) 1,1-Dichloroethene	4.26	96	1022345	13.233	ppbv	89
19) Isopropyl Alcohol	3.93	45	1670009	12.761	ppbv	99
20) Methylene Chloride	4.31	84	921032	9.679	ppbv	96
21) Allyl Chloride	4.38	41	1623831	13.762	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	1009999	13.177	ppbv	97
23) Vinyl Acetate	5.05	43	2991817	14.492	ppbv	99
24) 1,1-Dichloroethane	4.99	63	2394787	12.466	ppbv	99
25) Ethyl Acetate	5.66	43	4250235	13.496	ppbv	100
26) Hexane	5.67	57	1929882	13.687	ppbv	98
27) Carbon Disulfide	4.52	76	2628772	13.856	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	2863134	13.512	ppbv	99
29) Chloroform	5.74	83	2990321	12.538	ppbv	98
30) Cyclohexane	7.13	84	1629666	15.408	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1894046	14.561	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	3033199	13.152	ppbv	100
34) 2-Butanone	5.22	43	2631453	14.121	ppbv	99
35) Carbon Tetrachloride	7.02	117	3221214	14.073	ppbv	98
36) Benzene	6.89	78	3717450	14.325	ppbv	98
37) 1,2-Dichloroethane	6.30	62	2356309	13.405	ppbv	99
38) Trichloroethene	7.84	130	1636364	17.161	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1468727	14.362	ppbv	97
40) 1,4-Dioxane	7.83	88	590819	13.302	ppbv	92
41) Tetrahydrofuran	6.04	42	1444823	15.718	ppbv	100
42) Bromodichloromethane	7.80	83	3288213	13.710	ppbv	97
43) Methyl Methacrylate	8.02	69	1749026	16.132	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6340454	14.263	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	2008696	17.357	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	2342417	16.906	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1672295	14.089	ppbv	98
48) Dibromochloromethane	10.33	129	2942513	15.237	ppbv	100
49) Bromoform	13.08	173	2734456	16.255	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	4169206	15.841	ppbv	99
51) 2-Hexanone	10.15	43	3471077	17.045	ppbv #	99
52) Tetrachloroethene	11.25	164	1482598	16.218	ppbv	98
53) Toluene	9.82	91	4549330	16.672	ppbv	99
54) 1,2-Dibromoethane	10.64	107	2600663	14.801	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2235706	13.278	ppbv #	90
57) Chlorobenzene	12.18	112	3657682	13.321	ppbv	96
58) Ethyl Benzene	12.74	91	6082794	15.475	ppbv	100
59) m/p-Xylene	13.02	91	10508783m	28.973	ppbv	
60) o-Xylene	13.73	91	5164520	14.403	ppbv	99
61) Styrene	13.56	104	3794377	17.210	ppbv	99
62) Isopropylbenzene	14.70	105	7546651	13.952	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	3753400	13.345	ppbv	98
64) n-propylbenzene	15.60	120	2174210	15.365	ppbv	89
65) tert-Butylbenzene	16.78	119	6982256	14.415	ppbv	99
66) Benzyl Chloride	17.03	91	3051913	16.297	ppbv	99
67) sec-Butylbenzene	17.34	105	9498727	13.870	ppbv	98
69) p-Isopropyltoluene	17.69	119	8172928	14.425	ppbv	98
70) n-Butylbenzene	18.59	91	8424076	13.821	ppbv	97
71) 2-Chlorotoluene	15.49	91	5990333	14.838	ppbv	99
72) 4-Ethyltoluene	15.88	105	6250889	15.450	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	5920952	14.940	ppbv	97
74) 1,2,4-Trimethylbenzene	16.81	105	6134918	13.501	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	3787675	13.400	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	3735758	13.962	ppbv	98
77) 1,2-Dichlorobenzene	17.86	146	3657513	14.031	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2998141	14.166	ppbv	99
79) Naphthalene	22.26	128	6216075	17.284	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	2569170	24.329	ppbv	98
81) 1,2,4-Trichlorobenzene	21.99	180	3494863	15.974	ppbv	100

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

