

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035511.D
 Acq On : 27 Aug 2020 6:02
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:38 PM

Quant Time: Aug 27 06:43:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	991753	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4513389	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4860686	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	3389370	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1907685	10.518	ppbv 99
3) Chlorodifluoromethane	2.99	51	1562767	13.956	ppbv 98
4) Chloromethane	3.14	50	854965	14.668	ppbv 100
5) Vinyl Chloride	3.26	62	1012100	14.772	ppbv 97
6) Bromomethane	3.48	94	900231	14.329	ppbv 99
7) Chloroethane	3.56	64	382338	14.609	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	2632785	12.227	ppbv 98
9) Propene	3.01	41	619622	14.225	ppbv 99
10) Heptane	8.15	43	1698571	14.643	ppbv 99
11) Trichlorofluoromethane	3.96	101	3496612	13.363	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2696331	13.807	ppbv 99
13) Ethanol	3.62	45	136611	11.179	ppbv 97
14) Bromoethene	3.75	108	1243407	14.635	ppbv 98
15) Acetone	3.86	43	1487855	13.987	ppbv 99
16) 1,3-Butadiene	3.33	39	619518	14.665	ppbv 99
17) tert-Butyl alcohol	4.30	59	1932465	14.275	ppbv 100
18) 1,1-Dichloroethene	4.30	96	1263699	14.617	ppbv 98
19) Isopropyl Alcohol	3.98	45	952684	13.858	ppbv 100
20) Methylene Chloride	4.35	84	1009654	8.904	ppbv 98
21) Allyl Chloride	4.42	41	817691	15.246	ppbv 97
22) trans-1,2-Dichloroethene	4.90	96	1349906	14.784	ppbv 99
23) Vinyl Acetate	5.09	43	2232027	15.945	ppbv 98
24) 1,1-Dichloroethane	5.03	63	2098551	14.287	ppbv 100
25) Ethyl Acetate	5.69	43	2708845	13.444	ppbv 99
26) Hexane	5.71	57	1557407	12.710	ppbv 99
27) Carbon Disulfide	4.56	76	2640024	16.213	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	2885557	14.517	ppbv 100
29) Chloroform	5.77	83	3234098	13.923	ppbv 98
30) Cyclohexane	7.15	84	1852538	15.064	ppbv 99
31) cis-1,2-Dichloroethene	5.57	61	1748345	15.113	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	3307795	15.598	ppbv 99
34) 2-Butanone	5.26	43	1969815	14.765	ppbv 99
35) Carbon Tetrachloride	7.04	117	3519835	16.028	ppbv 99
36) Benzene	6.92	78	4144133	13.957	ppbv 99
37) 1,2-Dichloroethane	6.33	62	2013026	14.317	ppbv 100
38) Trichloroethene	7.86	130	2260620	13.779	ppbv 98
39) 1,2-Dichloropropane	7.64	63	1411605	14.200	ppbv 98
40) 1,4-Dioxane	7.85	88	718698	14.677	ppbv 96
41) Tetrahydrofuran	6.07	42	1122250	15.524	ppbv 99
42) Bromodichloromethane	7.82	83	3452462	15.036	ppbv 98
43) Methyl Methacrylate	8.04	69	1783417	15.512	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	5144098	13.227	ppbv	98
45) t-1,3-Dichloropropene	9.31	75	2072914	17.626	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	2411402	16.543	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	2109637	14.196	ppbv	98
48) Dibromochloromethane	10.34	129	3750271	15.894	ppbv	100
49) Bromoform	13.08	173	3636754	16.635	ppbv	98
50) 4-Methyl-2-Pentanone	8.77	43	2859658	14.877	ppbv	98
51) 2-Hexanone	10.16	43	2539922	16.123	ppbv #	99
52) Tetrachloroethene	11.26	164	2387720	13.854	ppbv	100
53) Toluene	9.84	91	5281609	14.057	ppbv	98
54) 1,2-Dibromoethane	10.65	107	3385608	14.355	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	2923070	14.401	ppbv	97
57) Chlorobenzene	12.18	112	4589981	12.696	ppbv	96
58) Ethyl Benzene	12.74	91	6851231	13.305	ppbv	94
59) m/p-Xylene	13.03	91	11059581m	25.269	ppbv	
60) o-Xylene	13.73	91	5683889	13.185	ppbv	98
61) Styrene	13.56	104	4844386	14.590	ppbv	98
62) Isopropylbenzene	14.71	105	8514667	12.216	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.72	83	4011902	12.732	ppbv	99
64) n-propylbenzene	15.60	120	2953309	13.924	ppbv	88
65) tert-Butylbenzene	16.79	119	8215661	12.416	ppbv	97
66) Benzyl Chloride	17.03	91	3219049	19.997	ppbv	99
67) sec-Butylbenzene	17.34	105	10272300	11.674	ppbv	95
69) p-Isopropyltoluene	17.70	119	9320932	12.157	ppbv	95
70) n-Butylbenzene	18.59	91	8968729	12.180	ppbv	96
71) 2-Chlorotoluene	15.49	91	6694159	13.271	ppbv	97
72) 4-Ethyltoluene	15.88	105	7308313	13.290	ppbv	97
73) 1,3,5-Trimethylbenzene	16.04	105	6819183	13.408	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	6979636	12.509	ppbv	92
75) 1,3-Dichlorobenzene	17.04	146	5291266	12.657	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	5371486	12.863	ppbv	98
77) 1,2-Dichlorobenzene	17.86	146	5242320	12.730	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	3355834	11.871	ppbv	99
79) Naphthalene	22.26	128	8867941	12.771	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	3889222	14.250	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	5222376	12.791	ppbv	99

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

