

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035555.D
 Acq On : 8 Sep 2020 13:55
 Operator : SY/AP
 Sample : VL0908ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:45:12 AM

Quant Time: Sep 09 02:49:21 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 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1053288	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4600884	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	4732528m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3449408	10.26	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1592770	8.726	ppbv	98
3) Chlorodifluoromethane	2.98	51	1123400	9.644	ppbv	99
4) Chloromethane	3.13	50	598468	9.589	ppbv	98
5) Vinyl Chloride	3.25	62	711395	9.246	ppbv	100
6) Bromomethane	3.46	94	634335	9.815	ppbv	96
7) Chloroethane	3.55	64	268905	9.885	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	2087167	9.442	ppbv	98
9) Propene	3.00	41	432966	9.641	ppbv	99
10) Heptane	8.12	43	1215277	10.075	ppbv	100
11) Trichlorofluoromethane	3.94	101	2559434	9.615	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1935147	9.632	ppbv	98
13) Ethanol	3.60	45	103561	9.301	ppbv	96
14) Bromoethene	3.73	108	874901	10.117	ppbv	100
15) Acetone	3.84	43	964950	8.307	ppbv	100
16) 1,3-Butadiene	3.32	39	437351	10.114	ppbv	100
17) tert-Butyl alcohol	4.29	59	1436196	10.157	ppbv	100
18) 1,1-Dichloroethene	4.28	96	899349	10.165	ppbv	99
19) Isopropyl Alcohol	3.96	45	701428	10.121	ppbv	99
20) Methylene Chloride	4.34	84	787813	9.105	ppbv	97
21) Allyl Chloride	4.40	41	588624	10.815	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	941770	9.999	ppbv	96
23) Vinyl Acetate	5.07	43	1520041	10.195	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1502220	9.790	ppbv	99
25) Ethyl Acetate	5.67	43	1976506	9.631	ppbv	100
26) Hexane	5.69	57	1146410	9.859	ppbv	98
27) Carbon Disulfide	4.54	76	1910939	11.452	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2072390	10.226	ppbv	100
29) Chloroform	5.75	83	2329205	9.831	ppbv	100
30) Cyclohexane	7.13	84	1308020	10.500	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1234170	10.345	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2347519	10.214	ppbv	100
34) 2-Butanone	5.24	43	1367419	10.015	ppbv	99
35) Carbon Tetrachloride	7.02	117	2472576	10.693	ppbv	100
36) Benzene	6.89	78	2981931	10.012	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1430690	10.076	ppbv	100
38) Trichloroethene	7.84	130	1579353	9.129	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1007438	10.014	ppbv	99
40) 1,4-Dioxane	7.83	88	525337	10.453	ppbv	92
41) Tetrahydrofuran	6.05	42	774844	10.702	ppbv	99
42) Bromodichloromethane	7.79	83	2477346	10.789	ppbv	100
43) Methyl Methacrylate	8.02	69	1246341	10.823	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3850267	9.825	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1399510	11.996	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1674441	11.560	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1489109	10.031	ppbv	97
48) Dibromochloromethane	10.31	129	2629632	11.255	ppbv	100
49) Bromoform	13.05	173	2483190	11.727	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2051494	10.376	ppbv	99
51) 2-Hexanone	10.14	43	1768438	10.904	ppbv	100
52) Tetrachloroethene	11.23	164	1611041	9.260	ppbv	100
53) Toluene	9.81	91	3839171	10.251	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2381516	10.153	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	2053207	10.662	ppbv	96
57) Chlorobenzene	12.16	112	3317662	9.525	ppbv	99
58) Ethyl Benzene	12.72	91	5037414	10.322	ppbv	99
59) m/p-Xylene	13.01	91	8035222m	19.704	ppbv	
60) o-Xylene	13.71	91	4160094	10.129	ppbv	100
61) Styrene	13.54	104	3409261	10.854	ppbv	100
62) Isopropylbenzene	14.68	105	6403966	9.707	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2986897	9.380	ppbv	100
64) n-propylbenzene	15.57	120	2051356	10.189	ppbv	97
65) tert-Butylbenzene	16.76	119	6118968	9.977	ppbv	99
66) Benzyl Chloride	17.00	91	2067486	13.565	ppbv	99
67) sec-Butylbenzene	17.31	105	8005137	9.797	ppbv	99
69) p-Isopropyltoluene	17.67	119	7048282	9.834	ppbv	99
70) n-Butylbenzene	18.57	91	6834242	9.899	ppbv	99
71) 2-Chlorotoluene	15.47	91	4907704	10.215	ppbv	99
72) 4-Ethyltoluene	15.85	105	5334124	10.216	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4973421	10.298	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	5174254	9.756	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	3733854	9.505	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	3761476	9.709	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3684220	9.680	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2389559	9.834	ppbv	100
79) Naphthalene	22.22	128	6304553	10.713	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2400382	11.951	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	3598035	10.210	ppbv	100

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

