

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036073.D
 Acq On : 7 Dec 2020 19:49
 Operator : SY/AP
 Sample : VL1207ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1207ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:30 AM

Quant Time: Dec 08 08:54:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 08 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1255598	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2860673	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2722468	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2216079	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1285347	8.784	ppbv	100
3) Chlorodifluoromethane	2.99	51	1403433	9.797	ppbv	100
4) Chloromethane	3.14	50	677984	9.640	ppbv	99
5) Vinyl Chloride	3.26	62	686685	8.776	ppbv	100
6) Bromomethane	3.48	94	383760	9.505	ppbv	91
7) Chloroethane	3.56	64	237052	8.893	ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	1560478	9.596	ppbv	99
9) Propene	3.01	41	685197	9.548	ppbv	97
10) Heptane	8.15	43	1741303	9.501	ppbv	100
11) Trichlorofluoromethane	3.96	101	1620494	9.419	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1106908	9.474	ppbv	99
13) Ethanol	3.62	45	110041m	11.123	ppbv	
14) Bromoethene	3.75	108	456786	9.530	ppbv	99
15) Acetone	3.86	43	1438852	9.535	ppbv	99
16) 1,3-Butadiene	3.33	39	718442	9.453	ppbv	99
17) tert-Butyl alcohol	4.30	59	1319235	9.025	ppbv	100
18) 1,1-Dichloroethene	4.30	96	491361	9.472	ppbv	97
19) Isopropyl Alcohol	3.98	45	816937	8.857	ppbv #	100
20) Methylene Chloride	4.35	84	433803	7.015	ppbv	98
21) Allyl Chloride	4.42	41	915063	9.120	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	496297	9.556	ppbv	97
23) Vinyl Acetate	5.09	43	2021823	10.063	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1322164	9.357	ppbv	99
25) Ethyl Acetate	5.69	43	2926174	9.706	ppbv	99
26) Hexane	5.70	57	1185017	8.734	ppbv	99
27) Carbon Disulfide	4.56	76	1292200	9.583	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1793142	9.296	ppbv	99
29) Chloroform	5.77	83	1737225	9.750	ppbv	98
30) Cyclohexane	7.15	84	952610	9.558	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1227332	9.951	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	1738672	9.457	ppbv	100
34) 2-Butanone	5.26	43	1788758	9.427	ppbv	100
35) Carbon Tetrachloride	7.04	117	1712447	10.265	ppbv	96
36) Benzene	6.91	78	2389391	9.856	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1436076	10.223	ppbv	99
38) Trichloroethene	7.86	130	785243	8.665	ppbv	99
39) 1,2-Dichloropropane	7.64	63	965593	10.085	ppbv	92
40) 1,4-Dioxane	7.85	88	300452	9.977	ppbv #	29
41) Tetrahydrofuran	6.06	42	1123730	9.968	ppbv	100
42) Bromodichloromethane	7.82	83	1924222	10.279	ppbv	99
43) Methyl Methacrylate	8.04	69	1064278	10.233	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4240747	9.659	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1169090	10.941	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1394617	10.413	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	936539	10.168	ppbv	97
48) Dibromochloromethane	10.33	129	1508757	10.847	ppbv	100
49) Bromoform	13.07	173	1269344	11.594	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2863667	10.119	ppbv	100
51) 2-Hexanone	10.16	43	2345874	10.605	ppbv	98
52) Tetrachloroethene	11.25	164	786151	8.958	ppbv	98
53) Toluene	9.83	91	2711418	9.960	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1405245	10.178	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1125895	9.974	ppbv	95
57) Chlorobenzene	12.18	112	1889194	9.885	ppbv	97
58) Ethyl Benzene	12.74	91	3674786	9.849	ppbv	98
59) m/p-Xylene	13.02	91	6207691m	19.754	ppbv	
60) o-Xylene	13.72	91	2873306	9.705	ppbv	99
61) Styrene	13.56	104	2069853	10.889	ppbv	99
62) Isopropylbenzene	14.70	105	4288814	9.772	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1942657	9.743	ppbv	99
64) n-propylbenzene	15.59	120	1072269	10.156	ppbv	97
65) tert-Butylbenzene	16.78	119	3608192	10.045	ppbv	99
66) Benzyl Chloride	17.02	91	1333777	14.911	ppbv	99
67) sec-Butylbenzene	17.33	105	5142346	10.229	ppbv	99
69) p-Isopropyltoluene	17.68	119	4186167	10.468	ppbv	99
70) n-Butylbenzene	18.58	91	4351916	11.011	ppbv	99
71) 2-Chlorotoluene	15.48	91	3394693	10.233	ppbv	98
72) 4-Ethyltoluene	15.87	105	3356355	10.465	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3165661	10.335	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	3145911	10.232	ppbv	96
75) 1,3-Dichlorobenzene	17.03	146	1646860	10.700	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1652044	10.543	ppbv	98
77) 1,2-Dichlorobenzene	17.85	146	1582449	10.768	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1009834m	8.574	ppbv	
79) Naphthalene	22.24	128	1769728m	11.323	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	726876	20.798	ppbv	98
81) 1,2,4-Trichlorobenzene	21.96	180	1004788	9.622	ppbv #	100

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

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