

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035529.D
 Acq On : 3 Sep 2020 13:49
 Operator : SY/AP
 Sample : VL0903ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 4:05:41 PM

Quant Time: Sep 04 07:02:02 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	5.69	49	1020072	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4471619	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4663443m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3322128	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1740509	9.846	ppbv	100
3) Chlorodifluoromethane	2.99	51	1174205	10.408	ppbv	100
4) Chloromethane	3.14	50	622494	10.299	ppbv	100
5) Vinyl Chloride	3.26	62	740434	9.936	ppbv	97
6) Bromomethane	3.48	94	658608	10.522	ppbv	98
7) Chloroethane	3.56	64	281830	10.697	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2166809	10.121	ppbv	99
9) Propene	3.02	41	460862	10.596	ppbv	99
10) Heptane	8.15	43	1252652	10.723	ppbv	100
11) Trichlorofluoromethane	3.96	101	2608175	10.117	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1975963	10.155	ppbv	99
13) Ethanol	3.61	45	112866	10.466	ppbv	97
14) Bromoethene	3.75	108	911236	10.880	ppbv	98
15) Acetone	3.86	43	995205	8.846	ppbv	99
16) 1,3-Butadiene	3.33	39	454130	10.843	ppbv	98
17) tert-Butyl alcohol	4.30	59	1490830	10.886	ppbv	100
18) 1,1-Dichloroethene	4.30	96	921837	10.759	ppbv	98
19) Isopropyl Alcohol	3.98	45	743356	11.076	ppbv	100
20) Methylene Chloride	4.36	84	799124	9.537	ppbv	99
21) Allyl Chloride	4.42	41	597973	11.345	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	964308	10.572	ppbv	97
23) Vinyl Acetate	5.09	43	1560861	10.809	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1561560	10.508	ppbv	99
25) Ethyl Acetate	5.70	43	2056918	10.349	ppbv	100
26) Hexane	5.71	57	1186669	10.537	ppbv	98
27) Carbon Disulfide	4.56	76	1948022	12.054	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	2137494	10.890	ppbv	100
29) Chloroform	5.77	83	2406031	10.486	ppbv	99
30) Cyclohexane	7.15	84	1344974	11.149	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1275909	11.043	ppbv	98
32) 1,1,1-Trichloroethane	6.54	97	2394109	10.756	ppbv	100
34) 2-Butanone	5.26	43	1425875	10.745	ppbv	99
35) Carbon Tetrachloride	7.04	117	2512882	11.181	ppbv	100
36) Benzene	6.92	78	3089401	10.673	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1463034	10.602	ppbv	100
38) Trichloroethene	7.86	130	1651978	9.825	ppbv	98
39) 1,2-Dichloropropane	7.64	63	1033188	10.566	ppbv	97
40) 1,4-Dioxane	7.86	88	559947	11.463	ppbv	98
41) Tetrahydrofuran	6.07	42	811934	11.538	ppbv	100
42) Bromodichloromethane	7.82	83	2535451	11.361	ppbv	100
43) Methyl Methacrylate	8.04	69	1280626	11.442	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3975702	10.439	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1449673	12.786	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1723673	12.244	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	1534250	10.634	ppbv	98
48) Dibromochloromethane	10.34	129	2679032	11.798	ppbv	100
49) Bromoform	13.08	173	2565270	12.465	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2128581	11.077	ppbv	99
51) 2-Hexanone	10.17	43	1834972	11.641	ppbv	100
52) Tetrachloroethene	11.26	164	1691182	10.001	ppbv	99
53) Toluene	9.84	91	3950564	10.853	ppbv	100
54) 1,2-Dibromoethane	10.65	107	2457912	10.781	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	2110020	11.120	ppbv	97
57) Chlorobenzene	12.18	112	3395430	9.893	ppbv	99
58) Ethyl Benzene	12.75	91	5144655	10.698	ppbv	99
59) m/p-Xylene	13.04	91	8301905m	20.660	ppbv	
60) o-Xylene	13.73	91	4255390	10.515	ppbv	100
61) Styrene	13.56	104	3494053	11.288	ppbv	100
62) Isopropylbenzene	14.71	105	6560218	10.091	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	3046738	9.710	ppbv	100
64) n-propylbenzene	15.61	120	2113938	10.655	ppbv	99
65) tert-Butylbenzene	16.79	119	6269455	10.374	ppbv	99
66) Benzyl Chloride	17.03	91	2143361	14.271	ppbv	99
67) sec-Butylbenzene	17.34	105	8131697	10.100	ppbv	99
69) p-Isopropyltoluene	17.70	119	7159654	10.137	ppbv	100
70) n-Butylbenzene	18.60	91	6946320	10.211	ppbv	100
71) 2-Chlorotoluene	15.49	91	5023073	10.610	ppbv	100
72) 4-Ethyltoluene	15.88	105	5454155	10.600	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	5084499	10.684	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	5285792	10.114	ppbv	99
75) 1,3-Dichlorobenzene	17.04	146	3850038	9.945	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	3866706	10.128	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	3801284	10.135	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	2466869	10.302	ppbv	100
79) Naphthalene	22.26	128	6439891	11.106	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	2440235	12.329	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	3717513	10.705	ppbv	100

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

