

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035266.D
 Acq On : 30 Jul 2020 4:44
 Operator : SY/AP
 Sample : VL0730ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Quant Time: Jul 30 07:56:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1295977	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3113909	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3025672m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2420407	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1346156	8.697	ppbv 99
3) Chlorodifluoromethane	2.94	51	1274624	8.885	ppbv 100
4) Chloromethane	3.10	50	740313	9.170	ppbv 97
5) Vinyl Chloride	3.22	62	760783	9.047	ppbv 98
6) Bromomethane	3.44	94	478846	9.219	ppbv 99
7) Chloroethane	3.52	64	294388	9.699	ppbv 99
8) Dichlorotetrafluoroethane	3.15	85	1764627	8.985	ppbv 100
9) Propene	2.97	41	492573	9.850	ppbv 98
10) Heptane	8.14	43	1495381	11.048	ppbv 98
11) Trichlorofluoromethane	3.92	101	1934880	9.293	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1357526	9.194	ppbv 100
13) Ethanol	3.57	45	116858	5.742	ppbv 94
14) Bromoethene	3.71	108	579622	9.619	ppbv 97
15) Acetone	3.82	43	1434177	8.296	ppbv 100
16) 1,3-Butadiene	3.29	39	674119	9.997	ppbv 98
17) tert-Butyl alcohol	4.27	59	1605958	9.626	ppbv 100
18) 1,1-Dichloroethene	4.27	96	619923	9.456	ppbv 99
19) Isopropyl Alcohol	3.94	45	1025056	8.991	ppbv 99
20) Methylene Chloride	4.32	84	583464	7.415	ppbv 97
21) Allyl Chloride	4.39	41	962214	9.774	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	600980	9.540	ppbv 100
23) Vinyl Acetate	5.06	43	1756576	10.113	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1506843	9.302	ppbv 99
25) Ethyl Acetate	5.67	43	2588563	9.589	ppbv 100
26) Hexane	5.68	57	1188709	9.761	ppbv 98
27) Carbon Disulfide	4.53	76	1597117	9.707	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	1780539	10.228	ppbv 99
29) Chloroform	5.75	83	1910163	9.352	ppbv 98
30) Cyclohexane	7.14	84	969298	11.135	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1135327	10.695	ppbv 95
32) 1,1,1-Trichloroethane	6.52	97	1875117	8.969	ppbv 99
34) 2-Butanone	5.23	43	1543261	9.741	ppbv 100
35) Carbon Tetrachloride	7.03	117	1975702	9.476	ppbv 98
36) Benzene	6.90	78	2273312	10.504	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1481045	9.790	ppbv 100
38) Trichloroethene	7.85	130	968056	10.793	ppbv 99
39) 1,2-Dichloropropane	7.63	63	895245	10.368	ppbv 99
40) 1,4-Dioxane	7.84	88	361207	10.624	ppbv # 1
41) Tetrahydrofuran	6.04	42	834958	10.752	ppbv 100
42) Bromodichloromethane	7.81	83	2022994	10.019	ppbv 98
43) Methyl Methacrylate	8.03	69	1058593	11.290	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4045808	10.611	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1157230	12.249	ppbv	95
46) cis-1,3-Dichloropropene	8.73	75	1376681	11.961	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	1009590	9.898	ppbv	94
48) Dibromochloromethane	10.34	129	1719583	10.705	ppbv	99
49) Bromoform	13.09	173	1557449	10.785	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2458494	10.707	ppbv	100
51) 2-Hexanone	10.16	43	1999961	11.486	ppbv #	99
52) Tetrachloroethene	11.26	164	872814	10.571	ppbv	94
53) Toluene	9.83	91	2745581	11.937	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1540041	10.443	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	1351641	9.716	ppbv	98
57) Chlorobenzene	12.19	112	2218820	9.746	ppbv	98
58) Ethyl Benzene	12.75	91	3779376	11.794	ppbv	99
59) m/p-Xylene	13.03	91	6472915m	21.698	ppbv	
60) o-Xylene	13.73	91	3256147	10.939	ppbv	99
61) Styrene	13.57	104	2257203	12.494	ppbv	100
62) Isopropylbenzene	14.71	105	4736881	10.692	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2365022	9.234	ppbv	99
64) n-propylbenzene	15.61	120	1302179	11.055	ppbv	98
65) tert-Butylbenzene	16.80	119	4265782	10.629	ppbv	99
66) Benzyl Chloride	17.04	91	1655555	10.532	ppbv	99
67) sec-Butylbenzene	17.35	105	6074375	10.359	ppbv	100
69) p-Isopropyltoluene	17.71	119	5081013	10.621	ppbv	100
70) n-Butylbenzene	18.60	91	5371691	10.380	ppbv	99
71) 2-Chlorotoluene	15.50	91	3709711	11.105	ppbv	99
72) 4-Ethyltoluene	15.89	105	3813780	11.384	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3629133	11.108	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	3834543	10.082	ppbv	97
75) 1,3-Dichlorobenzene	17.05	146	2253366	9.176	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2245557	10.109	ppbv	100
77) 1,2-Dichlorobenzene	17.87	146	2149038	9.770	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1428994	7.937	ppbv	100
79) Naphthalene	22.27	128	3042907	10.061	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	893025	9.124	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	1764467	9.584	ppbv	99

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

[illegible]