

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035512.D
 Acq On : 27 Aug 2020 6:41
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVV082720

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:42 PM

Quant Time: Aug 27 07:12:16 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	5.68	49	1028310	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4660562	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	5015148m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3431468	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1790817	10.049	ppbv	99
3) Chlorodifluoromethane	2.99	51	1110114	9.761	ppbv	99
4) Chloromethane	3.14	50	582694	9.563	ppbv	99
5) Vinyl Chloride	3.26	62	710041	9.452	ppbv	100
6) Bromomethane	3.48	94	627007	9.937	ppbv	98
7) Chloroethane	3.56	64	268330	10.103	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2088634	9.678	ppbv	100
9) Propene	3.01	41	436808	9.963	ppbv	99
10) Heptane	8.15	43	1190273	10.107	ppbv	99
11) Trichlorofluoromethane	3.96	101	2478485	9.537	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1885079	9.611	ppbv	100
13) Ethanol	3.61	45	109701	10.091	ppbv	97
14) Bromoethene	3.75	108	879550	10.418	ppbv	99
15) Acetone	3.86	43	926468	8.169	ppbv	100
16) 1,3-Butadiene	3.33	39	429513	10.174	ppbv	100
17) tert-Butyl alcohol	4.30	59	1448674	10.494	ppbv	100
18) 1,1-Dichloroethene	4.30	96	873433	10.112	ppbv	98
19) Isopropyl Alcohol	3.98	45	731085	10.806	ppbv	99
20) Methylene Chloride	4.35	84	759331	8.989	ppbv	98
21) Allyl Chloride	4.42	41	570010	10.728	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	924742	10.057	ppbv	98
23) Vinyl Acetate	5.09	43	1496400	10.280	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1490119	9.947	ppbv	99
25) Ethyl Acetate	5.69	43	1928859	9.627	ppbv	99
26) Hexane	5.70	57	1122045	9.884	ppbv	98
27) Carbon Disulfide	4.56	76	1850853	11.361	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	2100026	10.614	ppbv	100
29) Chloroform	5.77	83	2284749	9.878	ppbv	100
30) Cyclohexane	7.15	84	1304184	10.724	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1229384	10.555	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2321247	10.345	ppbv	99
34) 2-Butanone	5.26	43	1344395	9.720	ppbv	99
35) Carbon Tetrachloride	7.04	117	2437741	10.407	ppbv	100
36) Benzene	6.91	78	2980965	9.881	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1393368	9.688	ppbv	100
38) Trichloroethene	7.86	130	1577456	9.002	ppbv	98
39) 1,2-Dichloropropane	7.64	63	997015	9.783	ppbv	98
40) 1,4-Dioxane	7.85	88	541420	10.635	ppbv #	1
41) Tetrahydrofuran	6.07	42	768424	10.477	ppbv	98
42) Bromodichloromethane	7.82	83	2438387	10.484	ppbv	100
43) Methyl Methacrylate	8.04	69	1220924	10.466	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3767706	9.492	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1396963	11.821	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1662126	11.328	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	1477320	9.824	ppbv	98
48) Dibromochloromethane	10.34	129	2622056	11.079	ppbv	100
49) Bromoform	13.08	173	2512943	11.716	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	1995738	9.965	ppbv	99
51) 2-Hexanone	10.16	43	1731435	10.539	ppbv #	99
52) Tetrachloroethene	11.26	164	1668941	9.470	ppbv	98
53) Toluene	9.83	91	3829104	10.093	ppbv	100
54) 1,2-Dibromoethane	10.65	107	2377011	10.004	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	2028270	9.939	ppbv	100
57) Chlorobenzene	12.18	112	3291176	8.917	ppbv	100
58) Ethyl Benzene	12.74	91	4981153	9.632	ppbv	100
59) m/p-Xylene	13.03	91	7985660m	18.479	ppbv	
60) o-Xylene	13.73	91	4081346	9.377	ppbv	100
61) Styrene	13.56	104	3393224	10.194	ppbv	100
62) Isopropylbenzene	14.71	105	6386233	9.134	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2879645	8.534	ppbv	100
64) n-propylbenzene	15.60	120	2048261	9.600	ppbv	100
65) tert-Butylbenzene	16.79	119	6080536	9.356	ppbv	100
66) Benzyl Chloride	17.03	91	2000912	12.388	ppbv	100
67) sec-Butylbenzene	17.34	105	7879913	9.101	ppbv	100
69) p-Isopropyltoluene	17.69	119	6990505	9.204	ppbv	99
70) n-Butylbenzene	18.59	91	6674187	9.123	ppbv	100
71) 2-Chlorotoluene	15.49	91	4826690	9.480	ppbv	100
72) 4-Ethyltoluene	15.88	105	5269715	9.524	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	4908006	9.590	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	5083913	9.046	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	3774520	9.067	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	3812410	9.286	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	3725038	9.236	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	2464849	9.572	ppbv	100
79) Naphthalene	22.25	128	6338148	10.164	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	2471911	11.613	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	3687072	9.873	ppbv	100

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

