

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080520\
 Data File : VL035340.D
 Acq On : 5 Aug 2020 13:24
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL080520

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:49:04 PM

Quant Time: Aug 05 13:57:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1500670	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3703647	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3736883	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2892595	9.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1685443	8.444	ppbv	99
3) Chlorodifluoromethane	2.94	51	1523677	8.894	ppbv	97
4) Chloromethane	3.10	50	882372	9.098	ppbv	100
5) Vinyl Chloride	3.21	62	883972	8.861	ppbv	96
6) Bromomethane	3.43	94	545905	8.932	ppbv	97
7) Chloroethane	3.52	64	328579	8.868	ppbv	99
8) Dichlorotetrafluoroethane	3.14	85	2003739	8.493	ppbv	100
9) Propene	2.96	41	654693	10.725	ppbv	99
10) Heptane	8.13	43	1687556	10.823	ppbv	97
11) Trichlorofluoromethane	3.92	101	2088279	8.075	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1523423	8.242	ppbv	99
13) Ethanol	3.56	45	192491	9.143	ppbv	100
14) Bromoethene	3.70	108	694712	9.373	ppbv	99
15) Acetone	3.81	43	1662197	7.800	ppbv	98
16) 1,3-Butadiene	3.28	39	796883	9.715	ppbv	98
17) tert-Butyl alcohol	4.26	59	1917413	9.803	ppbv	100
18) 1,1-Dichloroethene	4.26	96	693617	8.739	ppbv	98
19) Isopropyl Alcohol	3.93	45	1336100	9.891	ppbv #	98
20) Methylene Chloride	4.32	84	621604	7.153	ppbv	92
21) Allyl Chloride	4.38	41	1154253	9.453	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	686621	8.921	ppbv	98
23) Vinyl Acetate	5.05	43	2207687	10.804	ppbv	97
24) 1,1-Dichloroethane	4.99	63	1751409	9.120	ppbv	99
25) Ethyl Acetate	5.66	43	3067297	9.473	ppbv	100
26) Hexane	5.67	57	1355863	9.653	ppbv	99
27) Carbon Disulfide	4.52	76	1825953	9.297	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2112440	10.344	ppbv	99
29) Chloroform	5.74	83	2103922	8.689	ppbv	99
30) Cyclohexane	7.13	84	1127967	10.591	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1353590	10.841	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2118205	8.323	ppbv	99
34) 2-Butanone	5.22	43	1909788	10.472	ppbv	99
35) Carbon Tetrachloride	7.02	117	2220765	8.714	ppbv	98
36) Benzene	6.89	78	2694389	10.774	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1646334	9.423	ppbv	99
38) Trichloroethene	7.84	130	1105500	9.583	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1030373	10.177	ppbv	95
40) 1,4-Dioxane	7.83	88	448748	10.350	ppbv #	1
41) Tetrahydrofuran	6.04	42	1067667	11.930	ppbv	98
42) Bromodichloromethane	7.80	83	2279352	9.715	ppbv	99
43) Methyl Methacrylate	8.02	69	1197164	11.378	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4538004	10.214	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1374097	12.590	ppbv	95
46) cis-1,3-Dichloropropene	8.71	75	1611725	12.227	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1131608	9.296	ppbv	95
48) Dibromochloromethane	10.32	129	1990166	9.980	ppbv	99
49) Bromoform	13.07	173	1828504	10.063	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2856112	10.258	ppbv	99
51) 2-Hexanone	10.15	43	2355945	10.793	ppbv #	100
52) Tetrachloroethene	11.25	164	1018908m	10.276	ppbv	
53) Toluene	9.82	91	3140692	11.544	ppbv	98
54) 1,2-Dibromoethane	10.63	107	1778052	10.181	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1527324	8.659	ppbv	96
57) Chlorobenzene	12.17	112	2506236	8.907	ppbv	99
58) Ethyl Benzene	12.74	91	4212665	10.834	ppbv	97
59) m/p-Xylene	13.02	91	7089880m	19.581	ppbv	
60) o-Xylene	13.72	91	3503282	9.750	ppbv	100
61) Styrene	13.56	104	2566033	11.694	ppbv	99
62) Isopropylbenzene	14.70	105	5282600	9.765	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2560296	8.353	ppbv	100
64) n-propylbenzene	15.59	120	1429558	9.833	ppbv	98
65) tert-Butylbenzene	16.78	119	4772896	9.634	ppbv	99
66) Benzyl Chloride	17.03	91	2070721	10.561	ppbv	100
67) sec-Butylbenzene	17.33	105	6643398	9.481	ppbv	99
69) p-Isopropyltoluene	17.69	119	5613581	9.827	ppbv	100
70) n-Butylbenzene	18.59	91	5848616	9.571	ppbv	100
71) 2-Chlorotoluene	15.49	91	4046581	10.211	ppbv	99
72) 4-Ethyltoluene	15.87	105	4205541	10.266	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3919446	9.971	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	4218009	9.389	ppbv	97
75) 1,3-Dichlorobenzene	17.04	146	2534174	8.623	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	2513742	9.235	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2463350	9.082	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2085478	9.037	ppbv	98
79) Naphthalene	22.25	128	4344549	12.573	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	2005202	25.509	ppbv	97
81) 1,2,4-Trichlorobenzene	21.99	180	2375173	10.907	ppbv	99

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

