

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034945.D
 Acq On : 6 May 2020 16:52
 Operator : SY/AP
 Sample : VL0506ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:30:25 PM

Quant Time: May 07 06:53:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1237531	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2847438	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2848891m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2233482	9.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1382047	7.869 ppbv	97
3) Chlorodifluoromethane	2.95	51	1200187	8.495 ppbv	100
4) Chloromethane	3.10	50	706470	8.725 ppbv	98
5) Vinyl Chloride	3.22	62	672029	8.508 ppbv	97
6) Bromomethane	3.44	94	385464	8.173 ppbv	90
7) Chloroethane	3.53	64	244399	8.615 ppbv	95
8) Dichlorotetrafluoroethane	3.15	85	1491123	8.203 ppbv	100
9) Propene	2.97	41	545360	8.895 ppbv	99
10) Heptane	8.14	43	1472706	9.588 ppbv	99
11) Trichlorofluoromethane	3.93	101	1469073	8.112 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1006963	7.809 ppbv	99
13) Ethanol	3.57	45	149330	7.381 ppbv	100
14) Bromoethene	3.71	108	459307	8.619 ppbv	99
15) Acetone	3.82	43	1188551	7.265 ppbv	99
16) 1,3-Butadiene	3.29	39	626008	8.891 ppbv	98
17) tert-Butyl alcohol	4.27	59	1194234	8.204 ppbv	99
18) 1,1-Dichloroethene	4.27	96	472355	8.443 ppbv	97
19) Isopropyl Alcohol	3.94	45	889045	8.148 ppbv	100
20) Methylene Chloride	4.32	84	409911	7.569 ppbv	95
21) Allyl Chloride	4.39	41	817593	8.847 ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	446909	8.064 ppbv	94
23) Vinyl Acetate	5.06	43	1891556	9.118 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1364348	8.538 ppbv	99
25) Ethyl Acetate	5.67	43	2439565m	8.877 ppbv	
26) Hexane	5.68	57	1078873	9.055 ppbv	100
27) Carbon Disulfide	4.53	76	1194467	8.506 ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1601717	8.827 ppbv	98
29) Chloroform	5.75	83	1647069	8.449 ppbv	95
30) Cyclohexane	7.14	84	896870	9.755 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1082468	9.312 ppbv	95
32) 1,1,1-Trichloroethane	6.52	97	1586961	9.014 ppbv	99
34) 2-Butanone	5.23	43	1620943	9.159 ppbv	100
35) Carbon Tetrachloride	7.03	117	1614624	8.984 ppbv	96
36) Benzene	6.90	78	2158422	9.194 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1273779	8.796 ppbv	100
38) Trichloroethene	7.85	130	801461	8.812 ppbv	98
39) 1,2-Dichloropropane	7.63	63	859815	9.136 ppbv	99
40) 1,4-Dioxane	7.85	88	323979	8.470 ppbv	87
41) Tetrahydrofuran	6.05	42	892918	9.583 ppbv	98
42) Bromodichloromethane	7.81	83	1750021	8.960 ppbv	97
43) Methyl Methacrylate	8.03	69	986148	9.948 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3752071	8.990	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1077295	10.769	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1290120	10.504	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	871261	8.773	ppbv	95
48) Dibromochloromethane	10.34	129	1413672	9.256	ppbv	100
49) Bromoform	13.09	173	1198663	9.122	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2397156	9.499	ppbv	100
51) 2-Hexanone	10.16	43	1954331	9.901	ppbv #	100
52) Tetrachloroethene	11.26	164	746131m	8.938	ppbv	
53) Toluene	9.83	91	2465764	9.908	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1313591	9.007	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.17	131	1062832	8.273	ppbv	99
57) Chlorobenzene	12.19	112	1825003	8.086	ppbv	98
58) Ethyl Benzene	12.75	91	3245385	9.212	ppbv	99
59) m/p-Xylene	13.04	91	5366473m	17.314	ppbv	
60) o-Xylene	13.73	91	2642040	8.638	ppbv	100
61) Styrene	13.57	104	1892902	9.779	ppbv	99
62) Isopropylbenzene	14.71	105	3854935	8.442	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1847693	7.674	ppbv	100
64) n-propylbenzene	15.61	120	1027050	8.768	ppbv	99
65) tert-Butylbenzene	16.79	119	3334592	8.420	ppbv	100
66) Benzyl Chloride	17.04	91	1283808	9.548	ppbv	99
67) sec-Butylbenzene	17.35	105	4821871	8.529	ppbv	99
69) p-Isopropyltoluene	17.70	119	3993499	8.731	ppbv	99
70) n-Butylbenzene	18.60	91	4326107	8.887	ppbv	100
71) 2-Chlorotoluene	15.50	91	2997840	8.697	ppbv	100
72) 4-Ethyltoluene	15.89	105	3080821	9.028	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	2919449	8.792	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	3018150	8.326	ppbv	96
75) 1,3-Dichlorobenzene	17.05	146	1741763	8.183	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1768567	8.745	ppbv	100
77) 1,2-Dichlorobenzene	17.87	146	1741934	8.686	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1485887	8.692	ppbv	100
79) Naphthalene	22.27	128	3515924	12.456	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	1071214	15.439	ppbv	100
81) 1,2,4-Trichlorobenzene	22.00	180	1828368	10.682	ppbv	99

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

