

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035044.D
 Acq On : 19 May 2020 14:22
 Operator : SY/AP
 Sample : VL0519ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0519ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2020 4:26:51 PM

Quant Time: May 20 05:23:58 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	5.65	49	1177877	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2716360	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2743005	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2232900	10.06	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1206683	7.218	ppbv	95
3) Chlorodifluoromethane	2.94	51	1206571	8.972	ppbv	99
4) Chloromethane	3.09	50	692587	8.987	ppbv	97
5) Vinyl Chloride	3.21	62	682416	9.077	ppbv	97
6) Bromomethane	3.43	94	413451	9.210	ppbv	98
7) Chloroethane	3.51	64	251597	9.318	ppbv	92
8) Dichlorotetrafluoroethane	3.14	85	1533892	8.866	ppbv	99
9) Propene	2.96	41	509015	8.723	ppbv	98
10) Heptane	8.12	43	1420006	9.713	ppbv	99
11) Trichlorofluoromethane	3.91	101	1584484	9.192	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1105723	9.009	ppbv	100
13) Ethanol	3.56	45	159974	8.308	ppbv	96
14) Bromoethene	3.70	108	485869	9.579	ppbv	98
15) Acetone	3.81	43	1262653	8.108	ppbv	100
16) 1,3-Butadiene	3.28	39	618290	9.226	ppbv	99
17) tert-Butyl alcohol	4.26	59	1288877	9.303	ppbv	99
18) 1,1-Dichloroethene	4.25	96	519664	9.759	ppbv	97
19) Isopropyl Alcohol	3.93	45	940148	9.053	ppbv	100
20) Methylene Chloride	4.31	84	450614	8.742	ppbv	94
21) Allyl Chloride	4.38	41	876131	9.961	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	504697	9.568	ppbv	100
23) Vinyl Acetate	5.05	43	1889828	9.571	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1384832	9.105	ppbv	98
25) Ethyl Acetate	5.65	43	2422122	9.260	ppbv	100
26) Hexane	5.66	57	1082122	9.543	ppbv	99
27) Carbon Disulfide	4.51	76	1305453	9.767	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	1599391	9.261	ppbv	100
29) Chloroform	5.74	83	1692930	9.124	ppbv	99
30) Cyclohexane	7.12	84	896440	10.244	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1095832	9.904	ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	1594105	9.514	ppbv	99
34) 2-Butanone	5.22	43	1589899	9.417	ppbv	99
35) Carbon Tetrachloride	7.01	117	1638338	9.556	ppbv	97
36) Benzene	6.88	78	2163121	9.659	ppbv	97
37) 1,2-Dichloroethane	6.29	62	1308025	9.468	ppbv	99
38) Trichloroethene	7.83	130	809958	9.336	ppbv	95
39) 1,2-Dichloropropane	7.61	63	845701	9.420	ppbv	98
40) 1,4-Dioxane	7.83	88	356241	9.762	ppbv	93
41) Tetrahydrofuran	6.02	42	889524	10.008	ppbv	99
42) Bromodichloromethane	7.79	83	1776481	9.535	ppbv	97
43) Methyl Methacrylate	8.01	69	990794	10.477	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3728457	9.364	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1085891	11.379	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1295685	11.058	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	899275	9.492	ppbv	98
48) Dibromochloromethane	10.32	129	1456592	9.998	ppbv	100
49) Bromoform	13.06	173	1259219	10.045	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2369008	9.840	ppbv	100
51) 2-Hexanone	10.13	43	1943190	10.320	ppbv	99
52) Tetrachloroethene	11.23	164	747624	9.388	ppbv	94
53) Toluene	9.81	91	2475536	10.427	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1343011	9.653	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1091941	8.827	ppbv	97
57) Chlorobenzene	12.16	112	1880909	8.655	ppbv #	97
58) Ethyl Benzene	12.73	91	3305000	9.744	ppbv	97
59) m/p-Xylene	13.01	91	5527895m	18.523	ppbv	
60) o-Xylene	13.71	91	2728377	9.265	ppbv	100
61) Styrene	13.54	104	1939767	10.408	ppbv	99
62) Isopropylbenzene	14.69	105	3962308	9.012	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	1942748	8.381	ppbv	100
64) n-propylbenzene	15.58	120	1050396	9.314	ppbv	99
65) tert-Butylbenzene	16.77	119	3414727	8.955	ppbv	99
66) Benzyl Chloride	17.02	91	1314264	10.152	ppbv	98
67) sec-Butylbenzene	17.32	105	4904629	9.010	ppbv	99
69) p-Isopropyltoluene	17.68	119	4033990	9.160	ppbv	100
70) n-Butylbenzene	18.58	91	4259993	9.089	ppbv	99
71) 2-Chlorotoluene	15.48	91	3101332	9.344	ppbv	99
72) 4-Ethyltoluene	15.86	105	3179499	9.677	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2964616	9.272	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	3027445	8.674	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1719944	8.393	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1741345	8.943	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1662169	8.608	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1387441	8.429	ppbv	98
79) Naphthalene	22.24	128	3039016	11.182	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	1378639	20.636	ppbv	98
81) 1,2,4-Trichlorobenzene	21.97	180	1592234	9.661	ppbv	99

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

