

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102519\
 Data File : VL034361.D
 Acq On : 25 Oct 2019 12:29
 Operator : SY/AP
 Sample : VL1025ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1025ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 2:13:25 AM

Quant Time: Oct 25 23:59:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 1
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	894865	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1892272	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2081087	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1601850	9.09	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1073748	6.960	ppbv	98
3) Chlorodifluoromethane	2.96	51	963316	9.184	ppbv	100
4) Chloromethane	3.11	50	579617	9.342	ppbv	99
5) Vinyl Chloride	3.23	62	548068	9.264	ppbv	99
6) Bromomethane	3.46	94	292595	10.101	ppbv	97
7) Chloroethane	3.54	64	200349	9.622	ppbv	98
8) Dichlorotetrafluoroethane	3.16	85	1230040	9.202	ppbv	96
9) Propene	2.98	41	457945	9.849	ppbv	100
10) Heptane	8.16	43	1189182	9.965	ppbv	98
11) Trichlorofluoromethane	3.94	101	1372736	9.372	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	928454	9.676	ppbv	99
13) Ethanol	3.59	45	92908	8.925	ppbv	98
14) Bromoethene	3.72	108	396814	10.503	ppbv	98
15) Acetone	3.84	43	1006244	7.862	ppbv	98
16) 1,3-Butadiene	3.30	39	505674	9.723	ppbv	99
17) tert-Butyl alcohol	4.29	59	962180	11.778	ppbv	99
18) 1,1-Dichloroethene	4.28	96	426400	10.149	ppbv	92
19) Isopropyl Alcohol	3.96	45	759522	10.637	ppbv	100
20) Methylene Chloride	4.34	84	370593	8.009	ppbv	95
21) Allyl Chloride	4.41	41	721028	10.190	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	424926	10.140	ppbv	98
23) Vinyl Acetate	5.08	43	1553041	9.716	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1127153	9.501	ppbv	99
25) Ethyl Acetate	5.69	43	2021827	9.356	ppbv	99
26) Hexane	5.70	57	885130	9.610	ppbv	97
27) Carbon Disulfide	4.55	76	1065198	11.140	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1526696	10.952	ppbv	98
29) Chloroform	5.77	83	1400055	9.610	ppbv	99
30) Cyclohexane	7.16	84	735294	10.855	ppbv	92
31) cis-1,2-Dichloroethene	5.56	61	953746	10.203	ppbv	98
32) 1,1,1-Trichloroethane	6.54	97	1381028	9.747	ppbv	98
34) 2-Butanone	5.25	43	1349927	8.728	ppbv	98
35) Carbon Tetrachloride	7.05	117	1398579	8.485	ppbv	95
36) Benzene	6.92	78	1731209	9.535	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1178370	8.709	ppbv	99
38) Trichloroethene	7.87	130	665597m	9.136	ppbv	
39) 1,2-Dichloropropane	7.65	63	718312	9.188	ppbv	99
40) 1,4-Dioxane	7.86	88	271004	9.864	ppbv	# 1
41) Tetrahydrofuran	6.07	42	801931	9.342	ppbv	96
42) Bromodichloromethane	7.83	83	1548196	9.342	ppbv	99
43) Methyl Methacrylate	8.05	69	725948	9.668	ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3011655	8.962	ppbv	98
45) t-1,3-Dichloropropene	9.33	75	971505	10.619	ppbv	97
46) cis-1,3-Dichloropropene	8.74	75	1101120	10.476	ppbv	97
47) 1,1,2-Trichloroethane	9.52	97	709257	8.957	ppbv	98
48) Dibromochloromethane	10.36	129	1254547	9.658	ppbv	99
49) Bromoform	13.11	173	1119096	9.722	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2004755	9.054	ppbv	98
51) 2-Hexanone	10.18	43	1700450	9.368	ppbv #	97
52) Tetrachloroethene	11.28	164	658761	9.257	ppbv	97
53) Toluene	9.85	91	2010779	10.036	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1078362	9.188	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.19	131	815259	8.501	ppbv	94
57) Chlorobenzene	12.20	112	1482921	8.541	ppbv	99
58) Ethyl Benzene	12.77	91	2716185	9.337	ppbv	97
59) m/p-Xylene	13.06	91	4442573m	17.625	ppbv	
60) o-Xylene	13.76	91	2192978	8.737	ppbv	99
61) Styrene	13.59	104	1687544	9.550	ppbv	98
62) Isopropylbenzene	14.73	105	2917890	8.807	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1500954	7.442	ppbv	99
64) n-propylbenzene	15.63	120	756526	8.897	ppbv	98
65) tert-Butylbenzene	16.82	119	2563019	8.728	ppbv	99
66) Benzyl Chloride	17.06	91	1037801	8.948	ppbv	100
67) sec-Butylbenzene	17.37	105	3559972	8.615	ppbv	98
69) p-Isopropyltoluene	17.72	119	2958927	8.782	ppbv	98
70) n-Butylbenzene	18.62	91	3126515	8.529	ppbv	98
71) 2-Chlorotoluene	15.52	91	2283534	8.889	ppbv	100
72) 4-Ethyltoluene	15.91	105	2584458	9.160	ppbv	98
73) 1,3,5-Trimethylbenzene	16.07	105	2427316	8.683	ppbv	98
74) 1,2,4-Trimethylbenzene	16.83	105	2479457	8.505	ppbv	98
75) 1,3-Dichlorobenzene	17.07	146	1401249	8.006	ppbv	99
76) 1,4-Dichlorobenzene	17.21	146	1415649	8.280	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1361410	7.934	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1249308	8.801	ppbv	100
79) Naphthalene	22.30	128	2499396	11.737	ppbv	98
80) Naphthalene,2-methyl-	25.03	142	1247518	20.267	ppbv	96
81) 1,2,4-Trichlorobenzene	22.02	180	1439695	10.351	ppbv	99

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

