

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036729.D
 Acq On : 7 Apr 2021 16:05
 Operator : SY/AP
 Sample : VL0407ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:15:46 AM

Quant Time: Apr 08 03:03:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 03:03:04 2021
 QLast Update : Thu Apr 08 01:58:43 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1353255	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3440708	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3182325m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2495378	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2129552	9.648	ppbv	97
3) Chlorodifluoromethane	2.99	51	2477269	9.798	ppbv	100
4) Chloromethane	3.14	50	860568	9.636	ppbv	97
5) Vinyl Chloride	3.26	62	848316	9.238	ppbv	99
6) Bromomethane	3.47	94	499791	9.886	ppbv	97
7) Chloroethane	3.56	64	304879	9.662	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2046533	9.715	ppbv	97
9) Propene	3.01	41	835040	10.360	ppbv	98
10) Heptane	8.13	43	2103601	10.244	ppbv	100
11) Trichlorofluoromethane	3.95	101	2054522	9.134	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1378907	9.588	ppbv	100
13) Ethanol	3.61	45	89941	9.370	ppbv	85
14) Bromoethene	3.74	108	599773	10.032	ppbv	100
15) Acetone	3.85	43	1228903	9.227	ppbv	100
16) 1,3-Butadiene	3.33	39	899236	9.697	ppbv	99
17) tert-Butyl alcohol	4.29	59	1245887	10.745	ppbv	100
18) 1,1-Dichloroethene	4.29	96	606688	9.484	ppbv	97
19) Isopropyl Alcohol	3.97	45	736086	10.046	ppbv	# 96
20) Methylene Chloride	4.34	84	544746	8.735	ppbv	98
21) Allyl Chloride	4.41	41	1054600	9.933	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	561484	9.467	ppbv	94
23) Vinyl Acetate	5.07	43	2447376	10.742	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1671552	10.066	ppbv	99
25) Ethyl Acetate	5.68	43	3198462	10.101	ppbv	99
26) Hexane	5.69	57	1506537	10.252	ppbv	99
27) Carbon Disulfide	4.55	76	1521266	10.509	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1819138	10.497	ppbv	100
29) Chloroform	5.75	83	2345098	9.979	ppbv	97
30) Cyclohexane	7.13	84	1262335	10.592	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1462988	10.293	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	2371761	10.014	ppbv	99
34) 2-Butanone	5.25	43	1591485	9.476	ppbv	98
35) Carbon Tetrachloride	7.02	117	2479319	9.382	ppbv	97
36) Benzene	6.90	78	3119296	9.830	ppbv	97
37) 1,2-Dichloroethane	6.31	62	1771404	9.485	ppbv	100
38) Trichloroethene	7.84	130	1149890	9.311	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1228806	9.546	ppbv	98
40) 1,4-Dioxane	7.84	88	287607	9.600	ppbv	98
41) Tetrahydrofuran	6.05	42	770858	9.954	ppbv	95
42) Bromodichloromethane	7.80	83	2517599	9.910	ppbv	98
43) Methyl Methacrylate	8.02	69	1145725	10.752	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5283568	9.460	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1308726	10.756	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1643811	10.569	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1259802	9.662	ppbv	96
48) Dibromochloromethane	10.31	129	2084246	10.487	ppbv	100
49) Bromoform	13.05	173	1719074	10.735	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2428081	9.991	ppbv	99
51) 2-Hexanone	10.14	43	1301427	10.612	ppbv #	100
52) Tetrachloroethene	11.23	164	1053370	9.015	ppbv	98
53) Toluene	9.81	91	3515517	10.403	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1835013	9.966	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1405334	9.763	ppbv	97
57) Chlorobenzene	12.16	112	2597794	9.594	ppbv	99
58) Ethyl Benzene	12.72	91	4693399	10.137	ppbv	99
59) m/p-Xylene	13.00	91	7883132m	19.521	ppbv	
60) o-Xylene	13.70	91	3723938	9.537	ppbv	99
61) Styrene	13.54	104	2192819	11.163	ppbv	99
62) Isopropylbenzene	14.68	105	5031592	9.569	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2714147	9.112	ppbv	99
64) n-propylbenzene	15.57	120	1331981	10.361	ppbv	100
65) tert-Butylbenzene	16.75	119	4398633	9.647	ppbv	100
66) Benzyl Chloride	17.00	91	532188	10.560	ppbv	99
67) sec-Butylbenzene	17.30	105	6223269	9.669	ppbv	100
69) p-Isopropyltoluene	17.66	119	5129944	10.207	ppbv	99
70) n-Butylbenzene	18.56	91	5264094	10.102	ppbv	100
71) 2-Chlorotoluene	15.46	91	3926034	9.964	ppbv	99
72) 4-Ethyltoluene	15.85	105	4448089	10.396	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4033582	10.101	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	4123671	9.650	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	2383049	9.907	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2337678	9.788	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2298660	10.166	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	1740742	8.597	ppbv	99
79) Naphthalene	22.21	128	2800370	11.230	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	397414	8.082	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	1634986	10.619	ppbv	98

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

